

Measuring the NEPA Litigation Burden: A Review of 1,499 Federal Court Cases

John C. Ruple*
Kayla M. Race**

I. Introduction	2
II. Background	5
A. NEPA Overview	5
B. NEPA Litigation	8
C. NEPA Critics' Calls for Reform	9
III. Data	10
A. CEQ NEPA Production and Litigation Data	11
B. EPA EIS Filing Data	13
C. U.S. Attorneys' Office Federal Environmental Litigation Data	13
IV. Analysis of NEPA Litigation	14
A. How Burdensome is NEPA Compliance?	14
1. Number and Types of NEPA Documents Governmentwide	15
2. EIS Production Trends over Time and By Agency	16
3. The Timing of NEPA Compliance	18
4. EIS Production Time Compared to Litigation Rates	20
B. How Burdensome is NEPA Litigation?	22
1. NEPA Lawsuit Filing Trends Governmentwide	22
2. NEPA Lawsuit Filings Compared to All Civil Suits Against the U.S.	26
3. Portion of NEPA Decisions Challenged in Court	27
4. Type of NEPA Documents Challenged	28
5. Portion of Final EISs and Supplemental Final EISs Resulting in Court Rulings	28
6. NEPA Litigation Burden by Agency	30
C. NEPA Litigation Outcomes	35
1. NEPA Litigation "Win" Rates	35
2. Success Rates Based on Type of NEPA Review	38
3. NEPA Outcomes by Lead Agency	40
4. NEPA Litigation Outcomes Compared to Other Federal Cases	42
V. Conclusion and Recommendations	45

I. INTRODUCTION

This article reviews thirteen years of data reported by the White House Council on Environmental Quality (CEQ) on federal court litigation involving National Environmental Policy Act (NEPA)¹ compliance to determine how often NEPA documents are challenged in court and how NEPA documents fare in litigation. Little data exists on the number of NEPA analyses conducted annually, or on litigation arising from those decisions. Our analysis narrows this gap in the literature, and in so doing, illuminates ongoing efforts to improve NEPA efficacy and to update NEPA's implementing regulations.² We found that NEPA litigation does not appear to be unreasonably burdensome, and that the rate at which NEPA decisions are challenged has declined steadily over time.

NEPA has been described as the Magna Carta of environmental laws.³ NEPA declares that it is national policy to “encourage productive and enjoyable harmony between man and his [or her] environment; [and] to promote efforts which will prevent or eliminate damage to the environment and biosphere and stimulate the health and welfare of man. . . .”⁴ NEPA's lofty goals are met through requirements that federal agencies identify and analyze impacts on the environment prior to taking, authorizing, or funding “major Federal actions significantly affecting the quality of the human environment.”⁵ NEPA however, “does not mandate particular results,”

* John C. Ruple is a Professor of Law (Research) and Wallace Stegner Center Fellow at the University of Utah's S.J. Quinney College of Law.

** Kayla M. Race is a Research Assistant at the S.J. Quinney College of Law.

Thank you to David Adelman and Heather Tanana for their careful review and thoughtful comments on early drafts of this paper, and to the Wilburforce Foundation for supporting this research effort. Project funders were not involved in development of study methodology, nor did they review any aspect of this article prior to publication or otherwise exercise editorial control. The views expressed herein do not necessarily represent those of the state of Utah, the University of Utah, project funders, or our reviewers.

¹ National Environmental Policy Act of 1969, Pub. L. No. 91-190, 83 Stat. 852 (1970) (codified as amended at 42 U.S.C. §§ 4321–4347 (2012)).

² On June 20, 2018, the White House Council on Environmental Quality (CEQ) published an advanced notice of proposed rulemaking for revisions to NEPA's implementing regulations. 83 Fed. Reg. 28591 (2018).

³ DANIEL R. MANDELKER, NEPA LAW AND LITIGATION § 1:1 (2014).

⁴ 42 U.S.C. § 4321 (2012).

⁵ 42 U.S.C. § 4332(2)(C).

nor does it require agencies to mitigate environmental impacts or choose the least environmentally damaging alternative.⁶ Instead, NEPA requires that agencies take a “hard look” at the environmental impacts of their actions and consider a range of alternative means of achieving agency goals before undertaking federal actions.⁷ Completing this hard look can involve significant time⁸ and expense.⁹

Whether NEPA’s environmental benefits justify such environmental reviews is hotly contested, and some contend that NEPA litigation has been used by environmentalists as a tool to delay much needed project. According to the Heritage Foundation, “[a]ctivists for years have used judicial review to challenge (and delay) development.”¹⁰ Staff to the U.S. House of Representatives Committee on Natural Resources (2018) asserted that NEPA and its “excessive litigation” are a “weapon of choice”—a form of “lawfare,” used by activists for the “manipulation of the legal system” to “stop, delay, restrict, or impose additional costs on all types of federal action.”¹¹ Critics’ concerns often focus on NEPA or NEPA litigation allegedly adding cost or time to federal infrastructure projects.¹²

⁶ *Robertson v. Methow Valley Citizens Council*, 490 U.S. 332, 350 (1989).

⁷ *Robertson v. Methow Valley Citizens Council*, 490 U.S. 332 at 350.

⁸ The CEQ reports that, across all federal agencies, completion time for an Environmental Impact Statement—from issuance of a notice of intent to prepare an EIS through publication of a record of decision—took an average (mean) of 4.5 years and a median of 3.6 years. One quarter of EISs took less than 2.2 years to complete, and one quarter took more than 6.0 years to complete. EXECUTIVE OFFICE OF THE PRESIDENT, COUNCIL ON ENVIRONMENTAL QUALITY, ENVIRONMENTAL IMPACT STATEMENT TIMELINES (2010-2017) 1 (Dec. 14, 2018), available at <https://ceq.doe.gov/nepa-practice/eis-timelines.html> (hereinafter CEQ EIS TIMELINES).

⁹ See U.S. GOV’T ACCOUNTABILITY OFF., GAO-14-370, REPORT TO CONGRESSIONAL REQUESTERS: NATIONAL ENVIRONMENTAL POLICY ACT: LITTLE INFORMATION EXISTS ON NEPA ANALYSES, 13–14 (Apr. 2014) (citing estimates that “a typical EIS cost[s] from \$250,000 to \$2 million.”)

¹⁰ Diane Katz, *Background, Time to Repeal the Obsolete National Environmental Policy Act (NEPA)*, THE HERITAGE FOUNDATION 6 (Mar. 14, 2018), www.heritage.org/sites/default/files/2018-03/BG3293_0.pdf.

¹¹ U.S. House of Representatives Committee on Natural Resources, Majority Committee Staff Hearing Memorandum, *The Weaponization of the National Environmental Policy Act and the Implications of Environmental Lawfare*, (Apr. 23, 2018); see also CHRIS ESPARZA, STAFF OF HOUSE COMM. ON NATURAL RESOURCES MAJORITY COMMITTEE, MEMORANDUM TO ALL NATURAL RESOURCES COMMITTEE MEMBERS 4 (Nov. 27, 2017) (NEPA “has become a magnet for litigation, with hundreds of NEPA-related lawsuits against the federal government filed or open each year.”).

¹² See U.S. House of Representatives Committee on Natural Resources, Majority Committee Staff Hearing Memorandum, *The Weaponization of the National Environmental Policy Act and the Implications of Environmental Lawfare*, 5–6 (Apr. 23, 2018). Agencies that tend to handle major infrastructure

While soundbites such as these paint a vivid picture, they appear to be based on anecdotal information rather than a systematic review of NEPA litigation, and they fail to consider the reasons for project delays, many of which have nothing to do with NEPA.¹³ While we agree that efficiencies can be gained with respect to NEPA, we also believe that changes to our foundational environmental laws should be based on rigorous and comprehensive analysis.

This article attempts to elevate the discussion surrounding NEPA by empirically assessing whether NEPA litigation poses an unreasonable burden on the federal agencies charged with implementing NEPA, or on the federal courts that must resolve NEPA challenges. This article assesses: (1) how frequently NEPA compliance efforts result in litigation; (2) how NEPA lawsuits are resolved; and (3) how NEPA litigation outcomes compare to outcomes in other environmental litigation involving the federal government.

After reviewing thirteen years of NEPA litigation and summary data for 1,499 court opinions (published and unpublished) reported by the CEQ,¹⁴ we conclude that NEPA litigation has not been used excessively in order to stop or delay federal decisions. Only a small fraction of NEPA decisions result in litigation—approximately one in 450 decisions are litigated.¹⁵ Further, the amount of NEPA litigation declined during the thirteen year study period.¹⁶ Environmental plaintiffs,

projects such as Federal Highway Administration and the Federal Aviation Administration take longer than average to complete their EISs. *See* CEQ EIS TIMELINES, note 8 at 10. *See infra*, Section IV. B. 6., NEPA Litigation Burden by Agency. These agencies are also sued less often than their sister agencies. *See also* David E. Adelman & Robert L. Glicksman, *Presidential and Judicial Politics in Environmental Litigation*, ARIZ. ST. L.J. 3, 30 (2018) (noting that the Federal Highway Administration faced only 30% of the EIS lawsuits that would be expected based on its share of EISs produced, while the Department of Defense faced only 60% of the EIS lawsuits expected, and the U.S. Army Corps of Engineers faced only 50% of the EIS lawsuits expected).

¹³ *See e.g.*, William Perry Pendley, Mountain States Legal Foundation, NEPA Needs U.S. Supreme Court Intervention (Jun 01, 2009), www.mountainstateslegal.org/news-updates/summary-judgment/2013/02/07/nepa-needs-u-s-supreme-court-intervention-.XFHZeM9KjUI; and Melissa L. Hamsher, Eclipse Resources Corp., Testimony before the House Comm. on Natural Res. The Weaponization of the National Environmental Policy Act and the Implications of Environmental Lawfare (April 25, 2018), <https://docs.house.gov/meetings/II/II00/20180425/108215/HHRG-115-II00-TTF-HamsherM-20180425.pdf>.

¹⁴ *Executive Office of the President, Council on Environmental Quality, NEPA Litigation, CEQ Reports*, <https://ceq.doe.gov/ceq-reports/litigation.html> (last visited Oct. 5, 2018) [hereinafter CEQ NEPA Litigation Reports].

¹⁵ *Infra*, Section IV. B. 3. Portion of NEPA Decisions Challenged in Court.

¹⁶ *Infra*, Section IV. B. 3. Portion of NEPA Decisions Challenged in Court.

however, prevail in NEPA claims at a higher rate than other plaintiffs,¹⁷ and their rate of success when combined with selective litigation filings suggests that these groups are reluctant to expend limited resources on weak legal cases.

Section II of this article provides background on NEPA, NEPA litigation, and calls for NEPA reform. Section III describes the main sources of data used in this analysis: CEQ's NEPA production and litigation data, the Environmental Protection Agency's EIS filing data, and data on federal environmental litigation obtained from the U.S. Attorneys' Office. Section IV analyzes that data to assess the extent of the burden imposed by NEPA compliance, the extent of the burden imposed by NEPA litigation, and how federal agencies fare in NEPA litigation. Section V concludes and identifies several NEPA reform recommendations.

II. BACKGROUND

NEPA is a foundational element of our national effort to protect human health and the environment. But where other statutes protect specific environmental amenities, NEPA guards the process under which federal agencies make decisions affecting the environment, guaranteeing the public an opportunity to offer input before those decisions are made.¹⁸ This review is intended to be proportional to the risk of environmental harm, with the most significant decisions undergoing the most rigorous review. The idea is simple, but the practice can be difficult to implement. Before evaluating the burden imposed by NEPA litigation, this section provides an overview of the Act itself, the litigation that NEPA compliance has spawned, and pending calls for NEPA reform.

A. NEPA Overview

Under NEPA, "major federal actions significantly affecting the quality of the human environment" must undergo an environmental review before those actions

¹⁷ Adelman & Glicksman, *supra* note 12, at 27 (noting that environmental plaintiffs win 35% of NEPA cases at the district court and 27% on appeal, while other plaintiffs win just 16% of NEPA cases at the district court and only 14% on appeal).

¹⁸ See *Robertson v. Methow Valley Citizens Council*, 490 U.S. at 349–54 (explaining that "NEPA itself does not mandate particular results, but simply prescribes the necessary process," and that the NEPA process ensure that agencies "will carefully consider[] detailed information concerning significant environmental impacts; it also guarantees that the relevant information will be made available to the larger audience that may also play a role in both the decisionmaking process and the implementation of that decision").

can proceed.¹⁹ When a federal project's impacts are known to be significant in terms of their context and intensity, compliance requires completion of an Environmental Impact Statement (EIS) before the action can proceed.²⁰ EISs are prepared in stages. At the outset of the NEPA process, the lead agency publishes a Notice of Intent to Prepare an EIS (NOI) in the Federal Register.²¹ The NOI describes the action contemplated, as well as the reasons for the action, and invites public comments on environmental issues raised by the proposed action. After receiving and considering public comment, the lead agency prepares a Draft EIS analyzing the direct, indirect, and cumulative impacts of both the proposed action and one or more alternative means of achieving the desired outcome.²² The Draft EIS compares the impacts that are likely to result from each alternative to the impacts that would result from a continuation of the status quo (the "no action alternative").²³ The public is then invited to review the Draft EIS and provide comments, which the agency reviews and considers, responding as appropriate and revising the EIS where needed before issuing a Final EIS and Record of Decision (ROD).²⁴ If significant deficiencies are identified in a Draft or Final EIS, the lead agency may prepare a Revised or Supplemental EIS.²⁵

Most federal actions do not involve significant environmental impacts and therefore do not require an EIS. NEPA authorizes agencies to promulgate regulations specifying "Categorical Exclusions" (CEs)—categories of actions that the agency determines do not individually or cumulatively have a significant impact on the human environment.²⁶ Actions that fall within one of these regulatory CEs can be approved without an EIS, provided that the action does not involve "extraordinary circumstances."²⁷ Congress has also created statutory CEs for certain types of oil and natural gas development.²⁸

Actions that fall outside the scope of a CE can avoid preparation of an EIS if

¹⁹ 43 U.S.C. § 4332(2)(C) (2012).

²⁰ 40 C.F.R. § 1502.4 (2018).

²¹ 40 C.F.R. §§ 1501.7 and 1508.22.

²² 40 C.F.R. §§ 1502.14 through 1502.16.

²³ 40 C.F.R. § 1502.14(d).

²⁴ 40 C.F.R. §§ 1503.1 and 1503.4.

²⁵ 40 C.F.R. §§ 1502.9(a) and (c). EIS naming conventions vary, and for this analysis we treat all but the first iteration of an EIS as a Supplemental EIS.

²⁶ 40 C.F.R. §§ 1508.4 and 1507.3(b)(1)—(2)(ii).

²⁷ 40 C.F.R. § 1508.4.

²⁸ 42 U.S.C. § 15942(a) (2012).

a federal agency prepares an Environmental Assessment (EA) and determines that the proposed action would not cause significant impacts.²⁹ If projected impacts are not significant, the agency issues a Finding of No Significant Impact (FONSI), the NEPA review process is complete, and an EIS is not required. Alternatively, the agency may issue a “mitigated FONSI,” which includes measures to reduce the impact of the proposed project to a level that is not significant.³⁰ If the proposed action is determined to have a significant effect, then however, an EIS is required.³¹

Most federal actions do not require completion of an EIS because they are authorized in a CE or are determined in an EA not to have significant environmental impacts.³² While the Environmental Protection Agency (EPA) tracks the number of EISs prepared annually,³³ there are no centralized figures on the number of EAs or CEs completed each year, and estimates of such numbers vary wildly. The U.S. Government Accountability Office (GAO) estimates that 95% of NEPA documents are CEs, nearly 5% in EAs, and less than 1% in EISs.³⁴ Data compiled by the EPA shows that an average of 513 EISs are published each year governmentwide.³⁵ Based on GAO and EPA data, we can estimate that the federal government issues approximately 48,700 CEs and roughly 2,560 EAs annually, for a total of roughly 51,300 NEPA analyses each year.³⁶

²⁹ 40 C.F.R. § 1508.9 (2018).

³⁰ 40 C.F.R. § 1501.4.

³¹ 40 C.F.R. § 1501.4.

³² See U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8 (explaining that 95% of federal actions are authorized with a categorical exclusion, and almost 5% of NEPA analyses are EAs).

³³ *Environmental Impact Statement (EIS) Database*, U.S. ENVIRONMENTAL PROTECTION AGENCY, <https://cdxnodengn.epa.gov/cdx-enepa-public/action/eis/search> (last visited Oct. 5, 2018) [hereinafter EPA EIS Database].

³⁴ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8. However, these are rough estimates that vary considerably by agency. For example, the GAO noted that the Department of Energy reported 95% of its NEPA documents are CEs, but 2.6% were EAs and 2.4% were EISs, while the Forest Service reported that only 78% of its NEPA analyses were CEs, 20% were EAs, and 2% were EISs. *Id.* We reviewed NEPA decisions by the Bureau of Land Management and found that 63% of their NEPA reviews were documented in a CE, 36.5% in an EA, and just 0.4% in an EIS. See *infra*, section IV.A.1.

³⁵ Calculated from data available at *EIS Database*, U.S. EPA, *supra* note 33. This calculated average is for the span of years from 2001 through 2013 and reflects both Draft and Final EISs. We contacted the GAO and confirmed that the number of EISs reported in their report, U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, reflects the total number of Draft and Final EISs completed, rather than only Final EISs.

³⁶ This calculation is based on an extrapolation from the GAO's reported percentages for each kind of

B. NEPA Litigation

CEs, FONSI, and RODs are all final agency actions and subject to federal court review under the Administrative Procedures Act.³⁷ When reviewing a NEPA decision, courts consider compliance with NEPA's procedural requirements and whether the agency took the requisite "hard look" at likely impacts.³⁸

There is currently no governmentwide system tracking NEPA litigation or its associated timing and costs. NEPA litigation data was collected and published by the CEQ from 2001 through 2013.³⁹ With limited data to draw from, few scholarly efforts have assessed NEPA litigation's impact on government agencies. The scholarship that does exist tends to be limited in the scope of agencies reviewed, the timeframe covered, or to other narrow questions. For example, multiple studies focus on NEPA litigation at the U.S. Forest Service.⁴⁰ The Forest Service may receive more attention because it manages 192.9 million acres of land (roughly 26% of all federal land and over 8% of the entire United States) across forty-three states and Puerto Rico.⁴¹ The Forest Service is also called upon to balance a host of competing uses, from logging to endangered species protection.⁴² These tradeoffs invariably leave some stakeholders dissatisfied, and those groups or individuals can turn to the courts for redress. Indeed, during our thirteen-year study period, Forest

NEPA analysis and the number of EISs tracked and reported by the EPA, U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9. Other scholars recently estimated that the federal government annually produced 137,750 CEs, 6,820 EAs, and 435 (draft and final) EISs for the period of 2008-2015. Adelman & Glicksman, *supra* note 12, at 17.

³⁷ 5 U.S.C. §§ 701-06 (2012); *Lujan v. Nat'l Wildlife Federation*, 497 U.S. 871, 882 (1990).

³⁸ *Robertson v. Methow Valley Citizens Council*, 490 U.S. at 350.

³⁹ CEQ NEPA Litigation Reports, *supra* note 14. *See also*, U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 19-22.

⁴⁰ *See e.g.* Amanda M.A. Miner, et al. *Twenty Years of Forest Service National Environmental Policy Act Litigation*, 12 ENVIRONMENTAL PRACTICE 116, 122 (June 2010) (examining NEPA litigation in which the Forest Service was a defendant, in lawsuits filed between 1989 and 2008); Shorna R. Broussard and Biana D. Whitaker, *The Magna Charta of Environmental Legislation: A historical look at 30 years of NEPA-Forest Service Litigation*, 11 FOREST POLICY AND ECONOMICS 134 (2009) (examining the "litigants, success rates, and management activities disputed for NEPA litigation involving the Forest Service from 1970 to 2001" and examining "differences and patterns in cases among the U.S. District, Circuit, and Supreme Courts.")

⁴¹ FOREST SERVICE, U.S. DEPT. OF AGRICULTURE, LAND AREA OF THE NATIONAL FOREST SYSTEM (2017).

⁴² 16 U.S.C. § 528 (2012).

Service NEPA decisions were challenged over twice as many times as any other federal agency, and cases involving the Forest Service make up over one-third of all NEPA litigation.⁴³

Other articles focus on the seventeen NEPA cases decided by the U.S. Supreme Court.⁴⁴ Finally, the most recent NEPA litigation article focuses on the impacts of the political ideology of judges and presidential administrations on the outcomes of NEPA litigation, using an independently created database of cases from 2001 through 2015.⁴⁵

The articles cited above utilize data gathered and coded by the authors or other independent sources. We are not aware of any academic articles relying on the NEPA litigation data reported by the CEQ, as this article does.⁴⁶

C. NEPA Critics' Calls for Reform

Numerous bills were introduced during the 115th Congress that would have limited judicial review of NEPA decisions.⁴⁷ H.R. 527, for example, directed that

⁴³ See *infra*, § IV. B. 6. NEPA Litigation Burden by Agency.

⁴⁴ Richard J. Lazarus, *The National Environmental Policy Act in the U.S. Supreme Court: A Reappraisal and a Peek Behind the Curtains*, 100 GEORGETOWN L. J. 1507 (2012); Richard J. Lazarus, *The Power of Persuasion Before and Within the Supreme Court: Reflections on NEPA's Zero for Seventeen Record at the High Court*, 2012 U. ILL. L. REV. 231.

⁴⁵ Adelman & Glicksman, *supra* note 12. The authors of this article created and coded a database of published and unpublished cases issued between 2001 through 2015, drawn from PACER and Westlaw. *Id.* at 66–67.

⁴⁶ In addition to articles examining NEPA *litigation*, several articles examine the substantive effects of agencies' NEPA reviews (prior to and regardless of litigation) on environmental outcomes of agency projects and plans. But, these articles evaluate only a narrow range of agency projects and plans in a limited geographic area. See John Ruple and Mark Capone, *NEPA--Substantive Effectiveness Under a Procedural Mandate: Assessment of Oil and Gas EISs in the Mountain West*, 7 GEO. WASH. J. OF ENERGY AND ENVTL L. 39 (2016); John Ruple and Mark Capone, *NEPA, FLPMA, and Impact Reduction: An Empirical Assessment of BLM Resource Management Planning and NEPA in the Mountain West*, 46 ENVTL L. 953 (2017); and Mark K. Capone and John C. Ruple, *NEPA and the Energy Policy Act of 2005 Statutory Categorical Exclusions: What are the Environmental Costs of Expedited Oil and Gas Development?*, 372 VT. J. OF ENVTL L. 371, 375 (2017). Other scholarship discusses the procedural efficiencies in the NEPA administrative processes, prior to litigation. DANIEL R. MANDELMER, NEPA LAW AND LITIGATION § 11:1 (2d ed. 2014).

⁴⁷ See e.g., S. 2068, 115th Cong. (2017), S. 879, 115th Cong. (2017); H.R. 2936, 115th Cong. (2017), and H.R. 875, 115th Cong. (2017) (all authorizing the Secretary of Agriculture to require arbitration in lieu of judicial review of NEPA Actions); H.R. 4423, 115th Cong. (2017), S. 3202, 115th Cong. (2017), H.R. 875, 115th Cong. (2017), and H.R. 4419, 115th Cong. (2017) (all shortening the statute

requirements imposed pursuant to NEPA could not preclude actions impacting the greater sage grouse, and exempted those decisions from judicial review.⁴⁸ While unsuccessful, efforts such indicate sustained interest in reducing the NEPA compliance burden.

Apart from congressional action, Apart from congressional action, Presidential action can influence the NEPA process. President Trump issued an Executive Order in 2017 purporting to “streamline” NEPA’s administrative processes by requiring, among other things, that EISs be completed in less than two years from publication of the Notice of Intent to prepare an EIS.⁴⁹ Following President Trump’s Executive Order, federal agencies signed a Memorandum of Understanding to implement the Order,⁵⁰ and the CEQ published an Advanced Notice of Proposed Rulemaking in anticipation of proposing amendments to NEPA.⁵¹

It has been more than thirty years since CEQ’s NEPA regulations were last revised,⁵² and much has changed over the intervening decades. We recognize that improvements in NEPA efficacy could be obtained by updating NEPA’s implementing regulations. We fear, however, that amendments that are not grounded in an understanding of NEPA practice may result in changes that could undermine our national environmental and public health goals⁵³ while doing little to reduce the costs involved in NEPA compliance. The analysis that follows is our effort to illuminate the decisions ahead with regard to judicial review of NEPA decisions.

III. DATA

This article focuses on federal court litigation challenging NEPA decisions. The vast majority of decisions addressed herein occurred at the district court level, though appellate litigation, including litigation before the U.S. Supreme Court, did

of limitations for challenging NEPA claims).

⁴⁸ H.R. 527, 115th Cong. (2017); *see also*, S. 273, 115th Cong. (2017) (same).

⁴⁹ Executive Order 13807, *Establishing Discipline and Accountability in the Environmental Review and Permitting Process for Infrastructure Projects*, 82 FR 40463 (Aug. 24, 2017).

⁵⁰ Dept. of Interior et al., Memorandum of Understanding Implementing One Federal Decision Under Executive Order 13807 (Apr. 10, 2018), available at www.whitehouse.gov/wp-content/uploads/2018/04/MOU-One-Federal-Decision-m-18-13-Part-2-1.pdf.

⁵¹ 83 Fed. Reg. 28591 (June 20, 2018).

⁵² *See* 51 Fed. Reg. 15618 (April 25, 1986) (revising 40 C.F.R. § 1502.22).

⁵³ 42 U.S.C. § 4321 (2012).

occur.⁵⁴

While litigation involving NEPA often involves other areas of substantive law such as the Endangered Species Act,⁵⁵ National Forest Management Act,⁵⁶ Federal Lands Policy and Management Act,⁵⁷ the Clean Water Act⁵⁸ and other statutes, this article focuses on the outcomes of the NEPA claims and does not examine the outcome of substantive law claims raised under other statutes. We acknowledge that an agency may win on a NEPA claim but lose the case because of a violation of another statute. It is also possible for an agency to prevail on other grounds only to lose on NEPA compliance. Accordingly, where claims are brought under multiple statutes, criticisms focused on litigation may not distinguish between statutes, and this could result in overstatement of the NEPA litigation burden, if NEPA becomes a surrogate for all environmental laws.⁵⁹

A. CEQ NEPA Production and Litigation Data

Data on NEPA litigation came from reports compiled by the CEQ that were published annually between 2001 and 2013. These reports “identify the number of cases involving a NEPA-based cause of action, Federal agencies that were identified as a lead defendant, general information on plaintiffs, general information on why litigation was pursued, and the outcomes of the cases decided during the year.”⁶⁰ We combined the data from each annual CEQ published report into a single spreadsheet

⁵⁴ Little statistical information is available regarding administrative protests or appeals of NEPA decisions, which could precede district court litigation. Administrative challenges are not addressed in this paper.

⁵⁵ 16 U.S.C. §§ 1531–1544 (2012).

⁵⁶ 16 U.S.C. §§ 1600–1614.

⁵⁷ 43 U.S.C. §§ 1701–84 (2012).

⁵⁸ 33 U.S.C. §§ 1251–1388 (2012).

⁵⁹ However, one study focused on Forest Service litigation found that only in about one in ten NEPA lawsuits did the agency prevail on NEPA grounds while losing on other statutory requirements. We are not aware of any studies testing if this finding holds true across other agencies besides the Forest Service. Amanda M.A. Miner, et al. *Twenty Years of Forest Service National Environmental Policy Act Litigation*, 12 ENVTL. PRAC. 116, 122 (June 2010). This study examined Forest Service litigation between 1989 and 2008 and found that, in cases where the court specifically ruled on a NEPA challenge (as opposed to withdrawals or dismissals), the Forest Service “won the NEPA claim, but lost the case because of a violation of another statute or statutes” in 7.5% of studied cases (or 10.9% of the NEPA wins).

⁶⁰ *NEPA Litigation, CEQ Reports*, COUNCIL ON ENVIRONMENTAL QUALITY, <https://ceq.doe.gov/ceq-reports/litigation.html> (last visited Oct. 5, 2018).

in order to track trends over time and analyze averages for the thirteen year period.

After analyzing the CEQ's published summary reports we identified discrepancies in the summary data. We also identified gaps in agency-level information on the number of government "wins" and "settlements,"⁶¹ as well as the types of NEPA documents each agency most often saw challenged in court, and each agency's success rates in litigation on each type of document. We worked with the CEQ to resolve these questions regarding the summary data. We also obtained and reviewed the CEQ's raw data, which tracks and codes every NEPA case between 2001 and 2013.⁶² While we were unable to completely reconcile all discrepancies with the CEQ summary data, we believe that our final dataset is more than adequate to identify broad trends in NEPA litigation.

We used the CEQ data to examine the number of NEPA lawsuits filed, the number and types of NEPA documents challenged, and the outcomes of NEPA litigation,⁶³ including the number of NEPA lawsuits that were disposed of based on the adequacy of an EIS or SEIS.⁶⁴ These results reflect the data as reported by the CEQ and federal agencies.⁶⁵

In addition to the data referenced above on NEPA litigation, the CEQ recently released a database containing start and end dates for 1,161 EISs completed between 1992 and 2018.⁶⁶ Specifically, that database includes the publication dates for the NOI, Draft EIS, Final EIS, and ROD as well as the amount of time that

⁶¹ The CEQ's published reports provided "win" and "settle" data on a governmentwide level, but not on an agency level. The CEQ's published data did, however, include agency-level "losses," i.e. injunctions and remands. See *NEPA Litigation, CEQ Reports*, COUNCIL ON ENVIRONMENTAL QUALITY, <https://ceq.doe.gov/ceq-reports/litigation.html> (last visited Oct. 5, 2018).

⁶² We ultimately concluded that we could not make agency-level calculations on the type of NEPA review at issue in litigation and each agency's litigation success rates for each type of NEPA review. We were, however, able to calculate agency-level numbers of "wins" and "losses" generally for all kinds of NEPA litigation using the CEQ's coding.

⁶³ The NEPA Litigation CEQ Reports refer to this type of data as the "NEPA Case Dispositions."

⁶⁴ The NEPA Litigation CEQ Reports refer to this type of data as the "Basis for NEPA Disposition."

⁶⁵ Although we were unable to independently verify how the CEQ data was coded, we used the data as reported by the government. CEQ data was not accompanied by a data dictionary, and without a clear explanation of CEQ's assumptions or methods, we feared that our uninformed efforts to recode data could increase rather than resolve coding issues. While errors may exist, we believe that the dataset is sufficient to identify broad trends in NEPA litigation. We also believe that relying on CEQ data will serve as an important complement to other articles that use independently coded data.

⁶⁶ See *EIS Timelines*, *supra* note 8.

passed between each phase of EIS preparation. We used this data in order to investigate the potential relationship between the amount of time spent on EIS preparation and litigation.

B. EPA EIS Filing Data

The EPA publishes in the Federal Register a notice of availability for every Draft, Final, and Supplemental EIS.⁶⁷ This information is stored in an online database that can be searched based on the date of the notice, the lead agency responsible for preparing the EIS, and the state where the proposed action would occur. We used this database to determine the universe of Final EISs that would potentially be subject to litigation as well as the total number of EISs produced by each agency during the analysis period.

While the EPA dataset provides a complete record of EISs, there is not a similar repository of statistics on other types of NEPA documents (EAs and CEs). The lack of a centralized repository of NEPA documents—or even a record of the number of NEPA actions by agency—is problematic because an estimated 99% of all NEPA reviews occur via CEs and EAs.⁶⁸

Any NEPA reform should include an effort to better understand the universe of NEPA actions. The BLM’s e-planning web site, which included a database of all BLM NEPA decisions that is searchable by date, project type, and level of NEPA analysis, is an example of a positive step in this direction. Reform divorced from a clear understanding of the actions being amended is likely to have limited benefits and unintended negative consequences.

C. U.S. Attorneys’ Office Federal Environmental Litigation Data

The Executive Office for United States Attorneys annually publishes statistics summarizing federal litigation involving the United States government.⁶⁹ These reports indicate the number of cases involving the federal government that were filed, terminated, or that remain pending by year. Civil litigation involving the United States is further broken down by cases in which the federal government is a defendant or plaintiff, and by categories of cause of action. Relying on this data, we were able to quantify the number of civil actions and “environmental/lands” civil

⁶⁷ 43 C.F.R. § 1506.10(a) (2018). *See also*, EPA EIS Database, *supra* note 33. The Database contains records of all EISs prepared by all federal agencies since 1987.

⁶⁸ U.S. GOV’T ACCOUNTABILITY OFF., *supra* note 9, at 8.

⁶⁹ United States Attorneys, Annual Statistical Reports, available at www.justice.gov/usao/resources/annual-statistical-reports.

actions in which the federal government was a defendant over the 2001-2013 period. We used this data to determine how common NEPA litigation is, as indicated by the percent of all civil actions filed against the United States, and as a percent of all “environmental/lands” civil actions filed against the United States.

Department of Justice statistics also indicate the number of judgements for the U.S., settlements, judgements against the U.S., dismissals, and “other” dispositions over the project period. We divided data for each of these five categories by the number of cases terminated in that year to determine the percent of dispositions by category. We compared this to the CEQ’s NEPA litigation data to assess whether the federal government fares similarly in NEPA and non-NEPA civil litigation in which the federal government is a defendant.⁷⁰

IV. ANALYSIS OF NEPA LITIGATION

We conducted an historical analysis of NEPA litigation⁷¹ in the United States federal court system that had an outcome or resolution⁷² between 2001 and 2013. We also tracked cases that remained pending during that period. Part A reviews information on the number and burden of NEPA documents completed annually. Part B examines the burden of NEPA litigation in terms of the frequency with which the government’s NEPA documents were challenged in court and which type of NEPA actions were most frequently litigated (CEs, EAs, or EISs). Part C examines the outcomes of NEPA litigation in terms of the government’s success rates, which type of NEPA actions are most frequently upheld, and how the government’s success in NEPA litigation compared to its success in other kinds of litigation.

A. How Burdensome is NEPA Compliance?

We considered the burden imposed by NEPA compliance in terms of the number of federal actions requiring NEPA analysis annually, and the level of NEPA analysis conducted. We were particularly interested in the share of actions evaluated in an EIS, the most lengthy and expensive process for NEPA compliance. We also examined the time required to complete NEPA analyses. We found that the vast majority of NEPA decisions do not require completion of an EIS and that the

⁷⁰ For purposes of this analysis, we assumed that the federal government was a defendant in all NEPA cases.

⁷¹ This article uses the term “NEPA litigation” to refer to cases in which the federal government was a defendant and NEPA was a subject of the litigation.

⁷² This includes final rulings as well as settlements and temporary relief such as preliminary injunctions.

number of EISs produced annually has declined steadily. We also found that the time required to complete the NEPA review varies by agency and that agencies that spend less time on their NEPA analysis are sued at higher rates than their more contemplative counterparts.

1. Number and Types of NEPA Documents Governmentwide

As noted earlier, the GAO estimates that 95% of NEPA documents involve CEs, nearly 5% are EAs, and less than 1% are EISs.⁷³ According to EPA data, there were an average of 513 EISs produced annually between 2001 and 2013.⁷⁴ Extrapolating from the number of EISs prepared annually, we estimate that roughly 2,560 EAs and 48,700 CEs are also prepared annually.⁷⁵ Draft EISs account for slightly more than half of all EISs, 269 annually.⁷⁶ Final EISs average 239 annually.⁷⁷ The distinction between Draft and Final EIS is important because a Draft EIS is not a final agency action and therefore cannot give rise to litigation.

The number and proportion of total NEPA documents are rough estimates and actual numbers vary considerably by agency. For example, the GAO noted that the Department of Energy (DOE) reported 95% of its NEPA documents are CEs, 2.6% were EAs, and 2.4% were EISs.⁷⁸ The Forest Service reported that 78% of its NEPA analyses were CEs, 20% were EAs, and 2% were EISs.⁷⁹ Beginning in 2015, the BLM began posting its NEPA documents online.⁸⁰ Based on documents published to the BLM's e-planning website, the BLM prepared just 67 EISs out of 15,439 total NEPA documents from 2015 through 2018, or EISs for just 0.43% of all of its NEPA documents. Over that period the BLM relied on EAs 36.5% of the

⁷³ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

⁷⁴ EPA EIS Database, *supra* note 33.

⁷⁵ See *supra* Section IV.A. at notes 34–37.

⁷⁶ Calculated from data available EPA EIS Database, *supra* note 33. This includes Revised and Supplemental Final EISs.

⁷⁷ *Id.* This includes Revised and Supplemental Final EISs.

⁷⁸ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

⁷⁹ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

⁸⁰ See https://eplanning.blm.gov/epl-front-office/eplanning/lup/lup_register.do. Unless noted otherwise, we extrapolated from the GAO's figures in order to estimate the BLM's total NEPA burden. We did not extrapolate from the BLM's figures because of the short period of BLM data (4 years) and because we do not know if all BLM NEPA documents were reported on the e-planning web site.

time, and CEs for 63.1% of its NEPA decisions.⁸¹

While differences between agencies are notable, it is clear that EISs remain exceedingly rare, accounting for a very small percentage of all NEPA actions.

2. EIS Production Trends over Time and By Agency⁸²

The number of Final EISs⁸³ (including Revised and Supplemental Final EISs) produced governmentwide declined over 16% between 2001 and 2013, from 216 in 2001 to 181 in 2013. The decline, however, has not been steady. The number of Final EISs produced peaked in 2004 at 305, then oscillated over the next several years along an overall downward trajectory. The fewest number of Final EISs produced over the study period occurred in 2013, with 181 EISs. Final EIS production was below the 13-year average in each of the last 5 years of the study period.⁸⁴ Annual EIS production is shown in Table 1.

Table 1
EISs Completed, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total	Mean
Draft and Supplemental Draft EISs	275	282	316	304	292	295	290	271	256	247	237	208	217	3,490	268
Final and Supplemental Final EISs	216	251	261	305	254	252	260	281	208	248	204	211	181	3,132	241
Other EISs ⁸⁵	5	5	4	7	5	4	7	1	0	1	2	0	0	41	3
Total	496	538	581	616	551	551	557	553	464	496	443	419	398	6,663	513

EIS production and trends varied by agency. Among the four primary federal land management agencies, the Forest Service produced 26% of all Final and

⁸¹ See https://eplanning.blm.gov/epl-front-office/eplanning/lup/lup_register.do. Approximately 18% of all BLM NEPA actions were authorized in a “Determination of NEPA Adequacy,” which documents analysis in a prior NEPA document. *Id.* Determinations of NEPA Adequacy are excluded from the percentage breakdown discussed above because they do not represent a new NEPA analysis or decision.

⁸² Data for this section is calculated from EPA EIS Database, *supra* note 33.

⁸³ We narrow our focus in this section to Final EISs (as opposed to also including Draft EISs) because a Draft EIS is not a final agency action subject to judicial review, and NEPA litigation is the ultimate focus of this article.

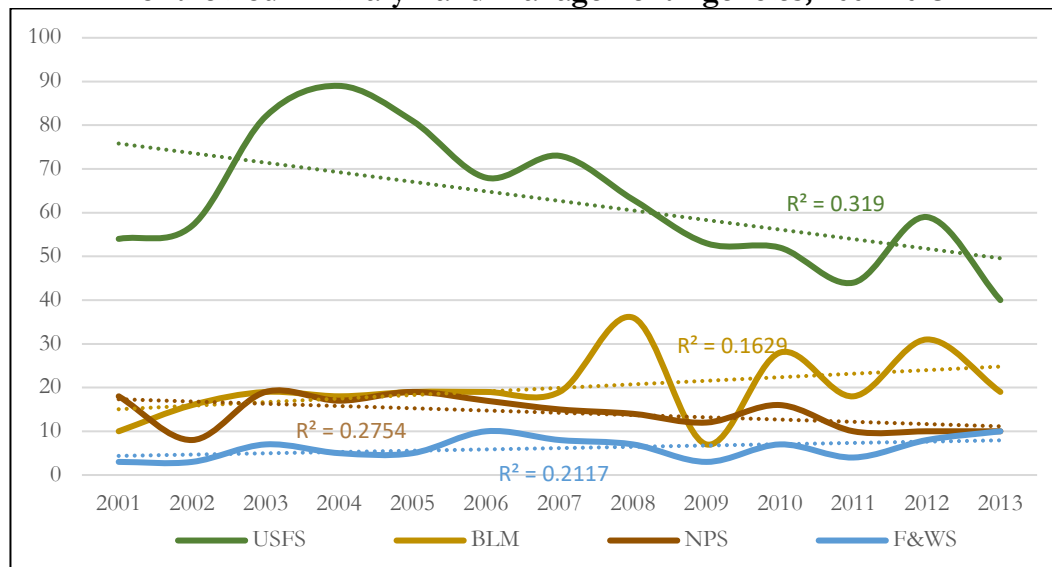
⁸⁴ We limit our analysis to EISs produced through 2013 to maintain consistency with CEQ litigation data but note that the number of Final EISs produced was below the 13 year average each year from 2014 through 2017. See EPA EIS Database, *supra* note 33.

⁸⁵ The EPA database included several abbreviations for EIS types (e.g. LF, LD, DD, DE, and DF) that we were not confident in recoding. These abbreviation EIS types are coded as “other.”

Supplemental Final EISs governmentwide, averaging almost 63 annually. The BLM produced 8.3% of all Final and Supplemental Final EISs, averaging 20 per year over the 13-year period. The National Park Service produced 5.9% of Final and Supplemental Final EISs governmentwide, averaging 14.2 per year. The Fish and Wildlife Service produced only 2.6% of Final and Supplemental Final EISs governmentwide, with an annual average of 6.2 over the 13-year period.

As shown in Figure 1, the Forest Service's production of Final and Supplemental Final EISs declined over the study period, falling to 40 EISs in 2013; well below the 13-year average of 62.7 EISs per year. Similarly, the National Park Service reduced its Final EIS production over the 13-year period to 10 in 2013; down from an average of 14.2 EISs annually. In contrast, the Fish and Wildlife Service and the BLM both increased their Final EIS production over the 13-year period. The Fish and Wildlife Service produced an average of 6.2 Final and Supplemental Final EISs annually from 2001 through 2013 and completed 10 EISs in 2013. The BLM completed 19 Final or Supplemental Final EISs in 2013, which was down slightly from its average of 19.9 EISs annually, but overall, the BLM saw a slight increase in EIS production over the study period.

Figure 1
Final and Supplemental EIS Filings
for the Four Primary Land Management Agencies, 2001-2013



Overall, the four primary land managers experienced a decline in EIS production ($r^2 = 0.0916$) over the study period, producing a combined total of just 79 Final or Supplemental Final EISs during 2013, down from an average of 103 per year. While the cause of this decline is uncertain, it may be that agencies are becoming more efficient in tiering to other NEPA documents,⁸⁶ a practice that could facilitate the use of EAs and Mitigated FONSIs.⁸⁷ If this is the case, it would appear that agencies have become more effective at reducing environmental impacts, which is one of NEPA's primary goals.⁸⁸

3. The Timing of NEPA Compliance

Timeframes for completing a NEPA review vary dramatically based upon the agency and type of review completed. A CE, for example, can take as little as 1 to 2 days to complete, as reported by the DOE and the Department of the Interior's Office of Surface Mining, while the Forest Service reports taking an average of 177 days to complete CEs.⁸⁹ EAs take longer to complete, ranging from 1 month for the Bureau of Indian Affairs, 4 months for the Department of Interior's Office of Surface Mining, and 13 months for the Department of Energy, to 18 months for the Forest Service.⁹⁰

Across all federal agencies, EISs take the longest and have the greatest variability in completion times, with a median of 3.6 years and an average (mean) of 4.5 years from the time of issuance of an NOI to publication of a Record of Decision.⁹¹ The fastest 25% of EISs took less than 2.2 years to complete, and the fastest EIS completion time overall was 1 year (achieved by 36 out of 1,161 EISs between 2010 and 2017).⁹² By contrast, the slowest 25% took more than 6.0 years to complete, with longest overall completion time being over 17 years (experienced by only 4 out of 1,161 EISs).⁹³ However, this data does not indicate whether these

⁸⁶ 40 C.F.R. § 1500.4(i) (2018).

⁸⁷ A mitigated FONSI incorporates required mitigation designed to ensure that project impacts remain below the threshold of significance. See Council on Environmental Quality, Forty Most Asked Questions Concerning CEQ's National Environmental Policy Act Regulations, Question 39, 46 Fed. Reg. 18026, 18037-38 (1981) (answers to questions 39 and 40).

⁸⁸ 42 U.S.C. § 4321 (2012). Other goals include encouraging public involvement and transparency. *Id.*

⁸⁹ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 16.

⁹⁰ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 15-16.

⁹¹ CEQ EIS TIMELINES, *supra* note 8, at 4.

⁹² CEQ EIS TIMELINES, *supra* note 8, at 4.

⁹³ CEQ EIS TIMELINES, *supra* note 8, at 4.

timeframes include suspensions of work on an EIS, or the reasons for lengthy completion times. Many intervening factors are beyond the agency's control, such as changes proposed by the applicant, funding limitations, delays to complete required surveys or studies, or shifting federal or agency priorities.⁹⁴ For example, Yucca Mountain, the proposed long-term repository for high-level nuclear waste, has been mired in political controversy for decades.⁹⁵ While NEPA analysis for that project has languished, these delays say more about scientific uncertainty and the underlying political conflict than they do about NEPA, and they may skew average EIS completion times.

Average EIS completion time also varies considerably by agency. For example, the Forest Service had faster than typical EIS completion times, with a median of 2.92 years and a mean of 3.35 years.⁹⁶ The National Oceanic and Atmospheric Administration was also faster than the governmentwide norms for EIS completion, with a median of 2.79 years and a mean of 3.59 years.⁹⁷ The BLM's EIS completion time hovered around the governmentwide norms, with a median of 3.83 years and a mean of 4.41 years.⁹⁸ The Fish and Wildlife Service had slightly longer than average EIS completion times, with a median of 4.23 years and a mean of 4.64 years.⁹⁹ The National Park Service was in the slowest quartile, with a median of 6.35 years and a mean EIS completion time of 6.72 years.¹⁰⁰ Other comparatively slow agencies include Army Corps of Engineers, with an median EIS completion time of 5.16 years and a mean of 6.13 years; the Federal Aviation Administration with a median of 6.63 years and a mean of 7.72 years; and the Federal Highway Administration with a median of 6.85 years and a mean of 7.3 years.¹⁰¹

Litigation that follows completion of a NEPA document can also add to the time-cost of NEPA compliance. The CEQ's NEPA Litigation Reports, the primary data source for this article, do not provide information on how long individual court cases took. However, a recent article on NEPA litigation estimated that the median

⁹⁴ CEQ EIS TIMELINES, *supra* note 8, at 2. *See also*, LINDA LUTHER, CONG. RES. SERV., THE NATIONAL ENVIRONMENTAL POLICY ACT: STREAMLINING NEPA 8-9 (2007).

⁹⁵ U.S. Nuclear Regulatory Comm'n, Background on Licensing Yucca Mountain (June 2018) www.nrc.gov/docs/ML0815/ML081550392.pdf.

⁹⁶ CEQ EIS TIMELINES, *supra* note 8, at 8-12.

⁹⁷ CEQ EIS TIMELINES, *supra* note 8, at 8-12.

⁹⁸ CEQ EIS TIMELINES, *supra* note 8, at 9-13.

⁹⁹ CEQ EIS TIMELINES, *supra* note 8, at 9-13.

¹⁰⁰ CEQ EIS TIMELINES, *supra* note 8, at 9-13.

¹⁰¹ CEQ EIS TIMELINES, *supra* note 8, at 8-13.

duration of NEPA litigation is 23 months, and 75% of cases were resolved within 3.2 years.¹⁰² For the cases in which the government won, the median case only took 1.5 years.¹⁰³ We have not, however, found data reporting on variation in the temporal duration of NEPA lawsuits based on type of NEPA review.

4. EIS Production Time Compared to Litigation Rates

Professors Adelman and Glicksman recently calculated the ratio between the percent of EISs produced by an agency, as a share of the governmentwide total number of EISs, and that agency's share of EIS litigation governmentwide.¹⁰⁴ This allowed the professors to determine the rate at which agencies' EISs are challenged in court compared to the number of EISs they produced. The higher the ratio, the more likely the agency is to face litigation over its EIS. The BLM, for example, prepared 11.6% of all EISs and was the subject of 11.4% of all EIS litigation, resulting in a multiplier of one, meaning that the amount of EIS litigation faced by the BLM was proportionate to the number of EISs it prepared.¹⁰⁵ The Forest Service, by comparison, produced 21.7% of all EISs and was involved in 30.8% of EIS litigation, generating a multiplier of 1.4, meaning that the number of EIS challenges faced by the Forest Service was roughly 40% higher than would be expected based on the number of EISs the agency prepared.¹⁰⁶ Other agencies were sued at a rate disproportionate to the number of EISs they produced. As shown in Table 2, the Fish and Wildlife Service (the FWS) has a litigation ratio of 1.8, indicating that they are sued approximately 80% more often than would be expected based on the number of EISs they prepare.¹⁰⁷ The Federal Highway Administration, conversely, has a litigation ratio of 0.3, indicating that they are sued at about one-third the rate of their peers.¹⁰⁸

Based on our examination of Professors Adelman and Glicksman's EIS litigation ratio data and the CEQ's EIS production timeline data, both described above, we observed that the amount of time spent on EIS preparation appears to be inversely related to the likelihood that an EIS will be challenged in court.¹⁰⁹ For

¹⁰² Adelman & Glicksman, *supra* note 17, at 38.

¹⁰³ Adelman & Glicksman, *supra* note 17, at 38.

¹⁰⁴ Adelman & Glicksman, *supra* note 17, at 30.

¹⁰⁵ Adelman & Glicksman, *supra* note 17, at 30.

¹⁰⁶ Adelman & Glicksman, *supra* note 17, at 30.

¹⁰⁷ Adelman & Glicksman, *supra* note 17, at 30.

¹⁰⁸ Adelman & Glicksman, *supra* note 17, at 30.

¹⁰⁹ The relationship between EIS preparation time and litigation rates was not statistically significant

example, the Forest Service spends an average of 1.13 years less on EIS preparation and is sued at a much higher rate than its sister agencies.¹¹⁰ The Federal Energy Regulatory Commission (FERC) also proceeds faster than average and is sued at an above average rate.¹¹¹ The Army Corps of Engineers and Federal Highway Administration take considerably more time to prepare an EIS and are sued at much lower rates.¹¹²

Table 2
Median Time to Complete an EIS & Likelihood of Litigation 2010-2017

	Number of EISs Completed	NOI-DEIS (Years)	DEIS-FEIS (Years)	FEIS-ROD (Years)	NOI-ROD (Years)	Litigation Ratio ¹¹³
Army Corps of Engineers	89	3.3	0.9	0.5	5.2	0.5
Dpt. of Defense (w/o Corps of Engineers)	76	1.5	1.0	0.2	3.1	0.6
Dept. of Energy	16	1.6	0.8	0.2	2.7	0.7
The BLM	128	2.0	1.1	0.3	3.8	1.0
Fish & Wildlife	40	2.4	1.0	0.2	4.2	1.8
Fed. Highway Admin.	114	3.5	2.1	0.2	6.9	0.3
Fed. Energy Reg. C'mmn.	34	1.3	0.5	0.3	2.3	1.1
Forest Service	276	1.4	0.9	0.1	2.9	1.4
All Agencies	1,161	1.9	1.0	0.2	3.6	1.0

Together these five agencies account for almost 83% of the EISs for which we have litigation ratio data (see Table 2) and 73.8% of the cases in our NEPA litigation database. We recognize that a number of factors may influence the rate at which an agency prepares its NEPA documents, including an agency's approach to NEPA analysis, agency resources, the complexity of projects, and changes attributable to a non-agency project proponent. Nonetheless, the apparent

($p = 0.2089$). The lack of statistical significance was anticipated because of the small number of agencies for which we have litigation ratios.

¹¹⁰ See *supra* Section IV.A.3. at note 96; see also *infra*, Table 2.

¹¹¹ FERC's mean time from the NOI to ROD on an EIS is 2.67 years, and its median time is 2.29 years. CEQ EIS TIMELINES, *supra* note 8, at 10-14.

¹¹² See *supra* Section IV.A.3.; see also *infra*, Table 2.

¹¹³ Litigation multiplier is the agency's share of EISs produced (compared to all agencies) versus the agency's share of EIS litigation (compared to all agencies). See *supra* note 104 and accompanying text.

relationship between rapid EIS preparation time and subsequent litigation should caution those seeking to expedite EIS preparation. With NEPA litigation taking an average of 23 months,¹¹⁴ gains in preparation time could be more than offset by litigation delays, should litigation occur. An adverse legal ruling will only compound those delays. The benefits gained by expediting NEPA may, in short, be subsumed by even greater costs associated with NEPA litigation.

B. How Burdensome is NEPA Litigation?

We examined the burden posed by NEPA litigation on various agencies and the federal government as a whole by analyzing: (1) the number of NEPA lawsuits filed annually;¹¹⁵ (2) NEPA lawsuit filings compared to other civil suits against the federal government;¹¹⁶ (3) the percentage of all NEPA documents challenged in court;¹¹⁷ (4) the type of NEPA documents challenged;¹¹⁸ (5) the frequency with which EISs and Supplemental EISs are challenged;¹¹⁹ and (6) agency differences in NEPA litigation burden.¹²⁰

We found that very few NEPA decisions are challenged in court and that the rate at which NEPA decisions are challenged is declining. We also found that NEPA challenges declined faster than the rate at which agencies prepare EISs, which is also declining. NEPA litigation is also declining as a percent of environmental litigation against the federal government while general civil litigation against the federal government is on the rise. These findings, we believe, call into questions claims that NEPA litigation is unreasonably burdensome.

1. NEPA Lawsuit Filing Trends Governmentwide

As noted in Section II.A., we conservatively estimate that the federal government prepares approximately 51,300 NEPA documents and 51,000 NEPA

¹¹⁴ See *supra* note ____ and accompanying text.

¹¹⁵ See *infra*, Section IV. B. 3. NEPA Lawsuit Filing Trends. The data comes from *NEPA Litigation, CEQ Reports*, COUNCIL ON ENVIRONMENTAL QUALITY, <https://ceq.doe.gov/ceq-reports/litigation.html> (last visited Oct. 5, 2018). CEQ calls this data “Cases Filed.”

¹¹⁶ See *infra*, Section IV. B. 2. NEPA Lawsuit Filings Compared to All Civil Suits Against the U.S.

¹¹⁷ See *infra*, Section IV. B. 3. Portion of NEPA Decisions Challenged in Court

¹¹⁸ See *infra*, Section IV. B. 4. Type of NEPA Documents Challenged

¹¹⁹ See *infra*, Section IV. B. 5. Portion of Final EISs and Supplemental Final EISs Resulting in Court Rulings

¹²⁰ See *infra*, Section IV. B. 6. NEPA Litigation Burden by Agency

decisions annually.¹²¹ Despite the large number of NEPA documents, there are on average just 115 NEPA lawsuits filed every year governmentwide,¹²² which represents a litigation rate of 0.22%—or roughly one out of every 450 NEPA decisions.

The number of NEPA case filings is also in decline, with some yearly variation. There were 138 NEPA suits filed in 2001, and 96 NEPA suits filed in 2013. NEPA lawsuits peaked in 2004 at 166, the same year as the peak number of Final EISs produced. The fewest lawsuits were filed in 2007, with just 86 NEPA lawsuits filed governmentwide. While filings varied by year, each of the last 5 years experienced below-average NEPA case filings and a clear downward trend in litigation filings, which can be seen in Table 3 and Figure 2.

Table 3
NEPA Case Filings 2001-2013¹²³

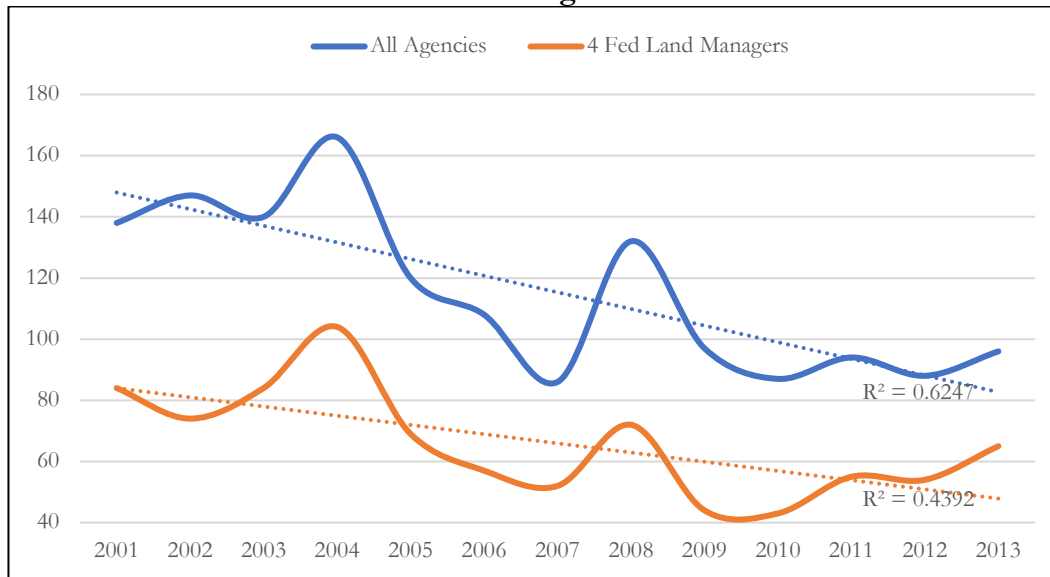
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total Filed	Annual Mean
All Agencies	138	147	140	166	120	108	86	132	97	87	94	88	96	1,499	115.3
4 Federal Land Management Agencies	84	74	84	104	69	57	52	72	44	43	55	54	65	857	65.9

¹²¹ See *supra* note 36 and accompanying text. The number of documents and decisions differ slightly because more than half of all EISs are drafts and therefore do not reflect a final decision.

¹²² As noted *supra* in Section II.B. at note 39, this data comes from CEQ NEPA Litigation Reports, *supra* note 14.

¹²³ As noted *supra* in Section II.B. at note 39, this data comes from CEQ NEPA Litigation Reports, *supra* note 14.

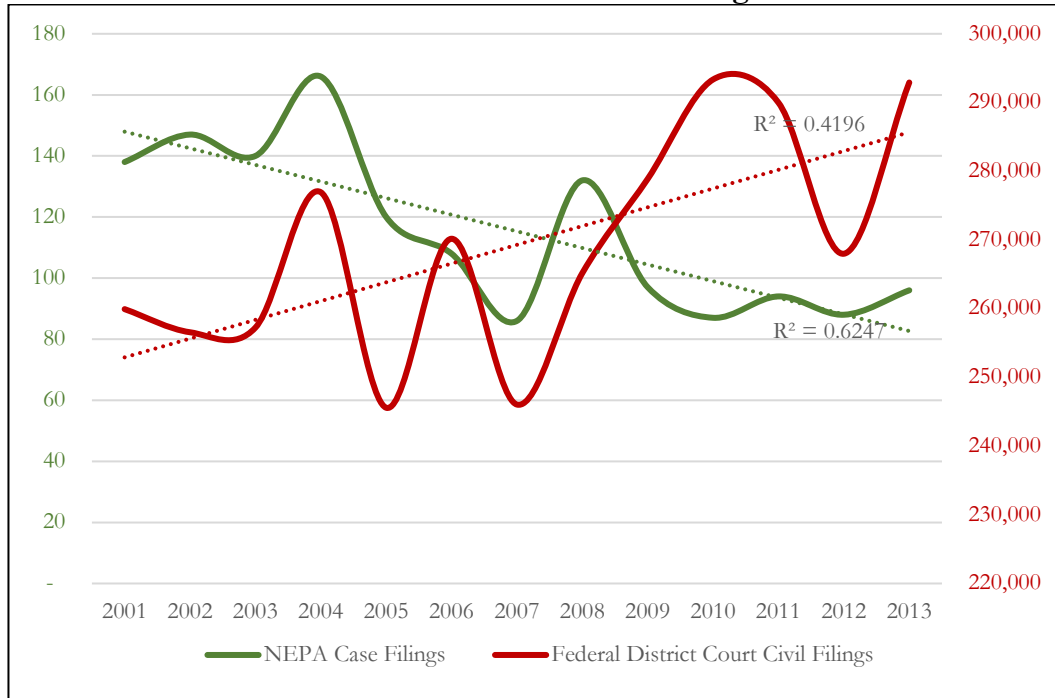
Figure 2
NEPA Case Filings 2001-2013¹²⁴



This governmentwide trend in NEPA lawsuit filings represents a 30.4% reduction over the study period ($r^2=.6247$). NEPA challenges involving the four primary federal land management agencies (the BLM, Forest Service, Park Service, and the FWS) also declined steadily, but at a slightly slower pace, 22.6%, over the same period of time ($r^2=.4392$).

¹²⁴ The four primary federal land management agencies are the BLM, the USFS, the NPS, and the FWS.

Figure 3
NEPA & Federal District Court Civil Filings 2001-2013



The decline in NEPA lawsuit filings cannot be fully explained by trends in EIS production nor general trends in litigation against the federal government. The 30.4% decline in NEPA lawsuits filed against the federal government was sharper than the 16% decline in the number of Final EISs produced during the period studied.¹²⁵ Additionally, the overall decline in NEPA lawsuit filings during the 13-year study period is in contrast with trends in Federal District Court civil filings, which rose 12.7% over that time, increasing from 259,927 in 2001 to 292,912 in 2013 ($r^2=.4196$).¹²⁶ See Figure 3. A complete breakdown of court filings by agency is contained in section IV.B.6. With NEPA litigation declining faster than the rate of EIS production and in the face of increased civil litigation, it appears that the burden of NEPA litigation is declining.

¹²⁵ See *supra* Section IV. A. 2. EIS Production Trends over Time and By Agency.

¹²⁶ The data comes from: *Statistical Tables for the Federal Judiciary*, U.S. COURTS, www.uscourts.gov/statistics-reports/analysis-reports/statistical-tables-federal-judiciary.

2. NEPA Lawsuit Filings Compared to All Civil Suits Against the U.S.

To understand the relative burden posed by NEPA versus non-NEPA litigation, we compared the number of NEPA lawsuits filed to the total number of civil suits against the federal government.¹²⁷ As shown in Table 4, we found that NEPA litigation represents only 0.043% of all civil litigation in which the federal government was a defendant (i.e. 1 out of roughly every 2,500 cases). Further, the last five years for which we have NEPA litigation data (2009-2013) all experienced below average rates of NEPA litigation. The low percentage of NEPA litigation as a share of all federal litigation, when coupled with a downward trend in litigation hardly seems to support claims that NEPA litigation represents an undue burden for the federal government.

Table 4
Civil Litigation with Federal Defendant, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Fed. D. Ct. Filings	259,927	256,562	257,234	276,942	245,575	270,171	246,039	265,178	278,884	293,352	289,969	267,990	292,912	3,500,735
NEPA Filings	138	147	140	166	120	108	86	132	97	87	94	88	96	1,499
NEPA % of all Filings	0.053%	0.057%	0.054%	0.060%	0.049%	0.040%	0.035%	0.050%	0.035%	0.030%	0.032%	0.033%	0.033%	0.043%

We also compared the number of NEPA lawsuits to the number of civil suits against the federal government that involve environmental or lands matters.¹²⁸ As shown in Table 5, we found that NEPA represents 12.2% of all federal environmental or lands civil litigation against the United States. We also observed a general downward trend in the number of NEPA cases as a percent of environmental or lands litigation.

¹²⁷ The data comes from: *Statistical Tables for the Federal Judiciary*, U.S. COURTS, *supra* note 126.

¹²⁸ The data comes from: *Statistical Tables for the Federal Judiciary*, U.S. COURTS, *supra* note 126.

Table 5
Environmental/Lands Litigation with Federal Defendants, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Envtl Matters— U.S. as D	1,807	790	947	978	714	871	767	920	741	942	726	696	1,436	12,335
NEPA Case Filings	138	147	140	166	120	108	86	132	97	87	94	88	96	1,499
NEPA Cases as % of Envtl Matters	7.6%	18.6%	14.8%	17.0%	16.8%	12.4%	11.2%	14.3%	13.1%	9.2%	12.9%	12.6%	6.7%	12.2%

3. Portion of NEPA Decisions Challenged in Court

Based on our calculations of the number of NEPA documents produced¹²⁹ and the number of NEPA lawsuits filed,¹³⁰ we estimated that, over the thirteen year study period, only about 0.23% of NEPA decisions (or roughly 1 in 435) were challenged in federal court.¹³¹ As previously noted, this should be viewed as a rough estimate due to challenges extrapolating the total number of NEPA documents from the number of EISs.¹³²

The percentage of NEPA reviews challenged in court declined slightly over time, as shown in Figure 4, peaking in 2001 with 0.28% of NEPA reviews challenged in court and ending in 2013 with 0.24% of NEPA reviews challenged in court. The lowest rate of NEPA litigation occurred in 2007, when just 0.15% of NEPA decisions faced legal challenges.

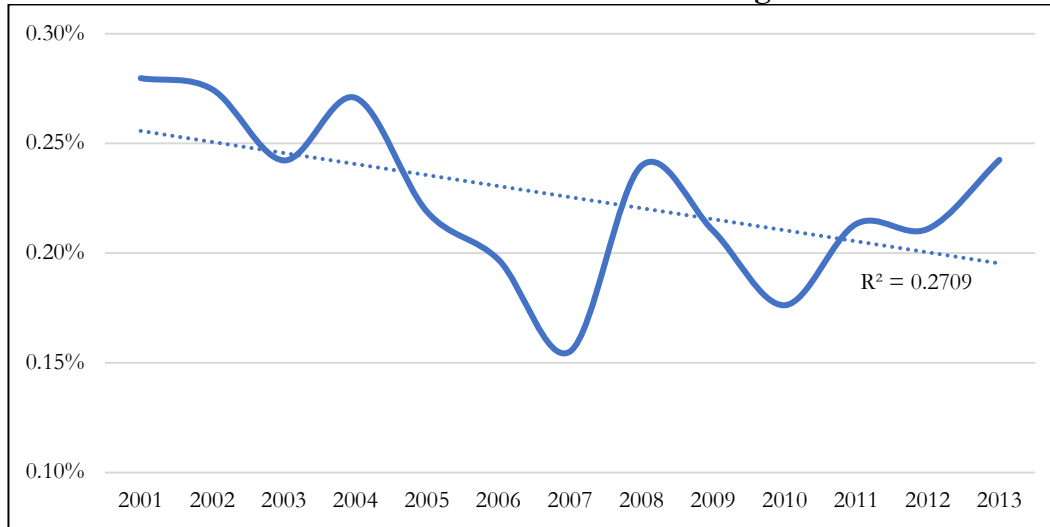
¹²⁹ See *supra* Section IV.A.1 Number and Types of NEPA Documents at note 75 and accompanying text.

¹³⁰ See *supra* Section IV.B.1. NEPA Lawsuit Filing Trends at note 122 and accompanying text.

¹³¹ We calculated this by taking the number of NEPA lawsuits filed each year, as reported in the CEQ's NEPA Litigation Reports and dividing that by our calculated estimate of NEPA decisions completed. See *supra* Section IV.B.1.

¹³² See *supra* Section IV.A.1 Number and Types of NEPA Documents .

Figure 4
Estimated Percent of Final NEPA Decisions Challenged in Federal Court



4. Type of NEPA Documents Challenged

We found that 20.7% of all NEPA cases were resolved on justiciability or jurisdictional grounds.¹³³ The CEQ's data does not delineate which type of NEPA documents were at issue in such rulings. Of the cases that survived jurisdictional and justiciability challenges, 34.2% were resolved based on EIS adequacy; 26.6% were resolved based on EA adequacy; 6.4% were involved CE adequacy; and 6.7% were resolved on the adequacy of a Supplemental EIS.¹³⁴ Whether NEPA was required at all was the basis for determining 5.4% of all NEPA cases that were decided on the merits.

5. Portion of Final EISs and Supplemental Final EISs Resulting in Court Rulings

We estimated how frequently Final EISs and Supplemental EISs were

¹³³ Calculated from the "Basis for disposition" data provided in CEQ NEPA Litigation Reports, *supra* note 14. The CEQ data labels all justiciability and jurisdictional ruling as simply "jurisdictional," but in examining the raw data we discovered such labels include cases that were decided on ripeness, mootness, and standing grounds, in addition to subject matter jurisdiction and personal jurisdiction.

¹³⁴ EISs do not always bear consistent titles, and this analysis refers to all but the initial iteration of an EIS, whether draft or final, as a Supplemental EISs.

challenged in federal court by comparing the number of Final EISs and Supplemental Final EISs produced by all federal agencies¹³⁵ to the number of federal court decisions that were based on the adequacy (or inadequacy) of an EIS or SEIS.¹³⁶

Table 6
NEPA Case Filings Challenging FEISs, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Total FEISs	191	224	226	276	229	224	239	250	188	231	187	185	153	2803
Resolved on FEIS adequacy	38	47	30	25	38	55	64	36	41	22	47	0	9	452
% Resolved on FEIS adequacy	19.9%	21.0%	13.3%	9.1%	16.6%	24.6%	26.8%	14.4%	21.8%	9.5%	25.1%	0.0%	5.9%	16.1%
FEIS Inadequate					13	26	35	15	20	5	15	0	1	130
% FEISs Inadequate					5.7%	11.6%	14.6%	6.0%	10.6%	2.2%	8.0%		0.7%	6.9%*

* total based on 2005-2013

We found that overall 16.1% of Final EISs resulted in a federal court decision based on the adequacy or inadequacy of the EIS.¹³⁷ While this number may appear high, it is important to remember that EISs are completed only for the most complicated and impactful 1% of all federal actions.¹³⁸ Further, only 6.2% of Final EISs were held inadequate.¹³⁹ These figures are displayed in Table 6.

¹³⁵ EIS production data comes from *EPA EIS Database*, *supra* note 33. The Database contains records of all EISs prepared by all federal agencies since 1987.

¹³⁶ EIS litigation information comes from the “Basis for Disposition” section of the CEQ NEPA Litigation Reports, *supra* note 14.

¹³⁷ This percentage is calculated by dividing the number of Final EIS litigation decisions (452) by the number of FEISs produced (2803). The underlying data is obtained from CEQ NEPA Litigation Reports, *supra* note 14. We note that 14.4% does not reflect the portion of FEISs *challenged*, as the CEQ data does not delineate the type of NEPA document in the initial filings data nor settlement data. Rather, 14.4% reflects the number of FEISs that that were challenged *and* made it to a court ruling. The number of FEISs that were initially challenged but later withdrawn or settled before a court ruling could be higher.

¹³⁸ See *supra* Section II.A. at note 34.

¹³⁹ Unlike most other figures quoted in this paper, these results reflect only the period from 2005 through 2013 because data on the number of EISs deemed inadequate prior to 2005 was not available. This percentage is calculated taking the number of lawsuits labelled by the CEQ as having

Challenges to Supplemental Final EISs were more likely to be resolved based on document adequacy, with 29.2% of such documents resulting in a court decision based on its adequacy or inadequacy.¹⁴⁰ Supplemental Final EISs also fared worse in court than Final EISs, but were still frequently upheld, with just 15.0% of Supplemental Final EISs being held inadequate.¹⁴¹ These figures are displayed in Table 7.

That Supplemental Final EISs are challenged at a higher rate may indicate that errors and omissions in an EIS are uniquely difficult to correct, that a flawed analysis invites a higher level of ongoing scrutiny, or that projects that require supplemental NEPA analysis involve uniquely thorny problems.

Table7
NEPA Case Filings Challenging Supplemental FEISs, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Total SEISs	25	27	35	29	25	28	21	31	20	17	17	26	28	329
Resolved on SEIS adequacy	6	7	4	4	7	18	15	9	6	2	7	0	3	88
% Resolved on SEIS adequacy	24.0%	25.9%	11.4%	13.8%	28.0%	64.3%	71.4%	29.0%	30.0%	11.8%	41.2%	0.0%	10.7%	26.7%
SEIS Inadequate					4	14	9	1	3	0	1	0	0	32
% SEISs Inadequate					16.0%	50.0%	42.9%	3.2%	15.0%	0.0%	5.9%		0.0%	15.0%*

* total based on 2005-2013

6. NEPA Litigation Burden by Agency

In addition to calculating the portion of NEPA documents that were

a court disposition in the plaintiff's favor based on the inadequacy of the EIS (130), and dividing that number by the number of FEISs produced (1,886). The underlying data is obtained from CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴⁰ This percentage is calculated by dividing the number of *Supplemental* Final EIS based litigation decisions (96) by the number of Supplemental Final EISs produced (329). The underlying data is obtained from CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴¹ These results reflect only the period from 2005 through 2013 because data on the number of EISs deemed inadequate was not available prior to 2005. The percentage is calculated taking the number of lawsuits labelled by the CEQ as having a court disposition in the plaintiff's favor based on the inadequacy of the Supplemental EIS (43) and dividing that number by the number of Supplemental Final EISs produced (213). The underlying data is obtained from CEQ NEPA Litigation Reports, *supra* note 14.

challenged on a governmentwide level, we also examined which agencies were sued most frequently, as displayed in Table 8. Notably, NEPA case filings were below the governmentwide average for each of the last five years for which reportable data was available. Three of the four primary land managers (Forest Service, Park Service, Fish and Wildlife Service) also experienced below average NEPA filings during three or more of the last five years of record, as did three of the four major agencies that focus on infrastructure development (Department of Energy, Federal Highway Administration, Federal Energy Regulatory Commission)

Looking over a broader timeframe, the Forest Service was the most-sued agency for NEPA issues, facing 526 NEPA lawsuits between 2001 and 2013, averaging over 40 per year. In fact, the Forest Service has been sued under NEPA over twice as many times as any other federal agency and makes up 35% of all NEPA litigation governmentwide.¹⁴² Moreover, the Forest Service saw more NEPA lawsuits between 2001 and 2013 than the next four most-sued agencies combined, though the Forest Service was sued less than its 13-year average in 4 of the last 5 years of record.

¹⁴² Calculated from the “Cases File” data provided in CEQ NEPA Litigation Reports, *supra* note 14.

Table 8
NEPA Case Filings in Federal Court, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total Filed	Annual Mean
Army Corps of Eng'rs	7	13	12	13	8	25	1	15	5	6	3	10	8	126	9.7
Dep't of Commerce	8	10	6	15	3	4	2	8	12	5	8	8	7	96	7.4
Dep't of Defense	4	3	2	3	2	1	1	3	2	3	0	1	0	25	1.9
Dep't of Energy	2	4	1	4	3	0	1	6	4	1	2	0	0	28	2.2
Bureau of Indian Affairs & Nat'l Indian Gaming Comm'n	3	3	2	0	2	1	2	3	0	1	0	1	1	19	1.5
Bureau of Land Mgmt.	20	18	15	19	12	21	7	14	2	17	22	20	18	205	15.8
Bureau of Reclamation	1	2	11	1	3	0	3	1	3	0	1	3	0	29	2.2
Fish & Wildlife Serv.	17	12	2	5	3	6	3	6	0	6	4	5	16	85	6.5
Nat'l Park Serv.	7	4	1	4	4	0	2	6	0	2	4	4	3	41	3.2
Dep't of the Interior, other agencies	0	0	1	0	2	0	3	1	0	5	0	2	2	16	1.2
Fed. Aviation Admin.	7	16	3	2	3	3	5	0	1	3	3	0	0	46	3.5
Federal Highway Admin.	3	10	6	11	5	7	4	9	12	10	14	4	1	96	7.4
Federal Transit Admin.	13	7	2	0	2	1	2	1	1	2	2	3	3	39	3.0
Dep't of Transp., other agency	0	1	2	0	2	0	0	0	0	0	1	0	1	7	0.5
Envtl. Protection Agency	4	1	0	6	2	2	2	1	1	1	1	0	0	21	1.6
Federal Energy Regulatory C'mmn	0	0	0	2	4	2	2	3	2	0	0	0	1	16	1.2
Nuclear Regulatory C'mmn	0	0	1	2	0	3	0	3	4	*	1	0	0	14	1.1
Animal & Plant Health Inspection Serv.	2	0	3	3	3	2	1	3	*	4	2	1	2	26	2.0
Forest Serv.	40	40	66	76	50	30	40	46	42	18	25	25	28	526	40.5
Dep't of Agric., other agency									1				1	2	0.2
Other	0	3	4	0	7	0	5	3	5	3	1	1	4	36	2.8
All Agencies	138	147	140	166	120	108	86	132	97	87	94	88	96	1,499	115.3

* data not reported by the CEQ

Also between 2001 and 2013, the BLM was a defendant in 205 NEPA suits, averaging 15.8 per year and making up 13.7% of all NEPA lawsuits governmentwide.¹⁴³ The Army Corps was the lead agency in 126 NEPA lawsuits, averaging 9.7 per year and making up 8.4% of NEPA lawsuits governmentwide.¹⁴⁴ The Federal Highway Administration and the Department of Commerce were the lead agencies in 96 lawsuits each, averaging 7.4 per year and each making up 6.4% of NEPA lawsuits. The Fish and Wildlife Service averaged 6.5 NEPA lawsuits per year, for a total of 85 NEPA lawsuits between 2001 and 2013, making up 5.7% of governmentwide NEPA lawsuits.¹⁴⁵ The Federal Aviation Administration was the lead agency in 46 NEPA lawsuits, averaging 3.5 NEPA lawsuits per year, and making up 3.1% of NEPA lawsuits governmentwide.¹⁴⁶ The Park Service was the lead agency in 41 NEPA lawsuits, averaging 3.2 lawsuits per year, and making up 2.7% of governmentwide NEPA lawsuits per year.¹⁴⁷

The high proportion of NEPA lawsuits against the Forest Service (35% of all NEPA lawsuits) may be partly explained by the large share of EISs produced by the Forest Service, which amounts to 26% of all Final and Supplemental Final EISs governmentwide.¹⁴⁸ Clearly, however, the Forest Service's share of NEPA litigation is greater than its share of EIS production. In fact, we estimate that Forest Service NEPA decisions (EISs, EAs, and CEs) were challenged at almost three times the governmentwide rate, with 0.6% of all Forest Service NEPA reviews challenged,¹⁴⁹ while only approximately 0.2% of governmentwide NEPA decisions were challenged.¹⁵⁰ Moreover, other recent NEPA litigation scholarship found the Forest Service's governmentwide share of EIS-specific litigation was 1.4 times its share of EISs produced, meaning that Forest Service EISs were challenged in court approximately 40% more often than anticipated based on the number of EISs they

¹⁴³ Calculated from the "Cases File" data provided in CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴⁴ Calculated from the "Cases File" data provided in CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴⁵ Calculated from the "Cases File" data provided in CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴⁶ Calculated from the "Cases File" data provided in CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴⁷ Calculated from the "Cases File" data provided in CEQ NEPA Litigation Reports, *supra* note 14.

¹⁴⁸ Calculated from data provided at EPA EIS Database, *supra* note 33.

¹⁴⁹ Our calculation is the number of cases filed against the Forest Service (526), divided by the estimated number of USFS NEPA decisions (84,950), which is based on the EPA's data on the number of Draft, Final, and Supplemental Final EISs produced by the Forest Service (1699) and the GAO's reporting that 2% of Forest Service NEPA reviews are Final EISs. U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

¹⁵⁰ See *supra* Section IV.B.3, Portion of NEPA Decisions Challenged in Court.

completed.¹⁵¹ Perhaps one factor behind the Forest Service's high litigation rates is the fact that the Forest Service prepares a higher percentage of EISs and fewer CEs than its sister agencies,¹⁵² which may indicate that its projects are anticipated to have a higher level of impact and therefore spark more intense public scrutiny.

For comparison, the BLM produced 8.3% of Final and Supplemental Final EISs governmentwide,¹⁵³ and recent NEPA scholarship found the BLM's governmentwide share of EIS lawsuits was roughly equal to its share of EISs produced.¹⁵⁴ We estimate that the BLM's NEPA decisions (EISs, EAs, and CEs) were challenged 0.2% of the time,¹⁵⁵ which is the same rate as the governmentwide average.

The National Park Service produced 5.9% of Final and Supplemental Final EISs governmentwide between 2001 and 2013.¹⁵⁶ Based on our estimate of total Park Service NEPA document production and the 41 NEPA lawsuits filed against the NPS, we estimate that only 0.1% of all National Park Service NEPA decisions were challenged in court.¹⁵⁷

Finally, the Fish and Wildlife Service produced 2.6% of all Final and Supplemental Final EISs governmentwide during that same time period.¹⁵⁸ Based on an estimated 16,300 NEPA decisions over the analysis period and 85 NEPA lawsuits filed, we calculate that 0.5% of all of the Service's NEPA decisions were challenged in court,¹⁵⁹ more than twice the governmentwide average of 0.2%. However, because

¹⁵¹ Adelman & Glicksman, *supra* note 12 at 30, Table 1. Note that Adelman & Glicksman compare EISs produced to EIS lawsuits, whereas our comparison using CEQ data examines EISs produced to general NEPA lawsuits, not specifically lawsuits over EISs.

¹⁵² See *supra* note 34.

¹⁵³ Calculated from data provided at EPA EIS Database, *supra* note 33.

¹⁵⁴ Adelman & Glicksman, *supra* note 12, at 30, Table 1.

¹⁵⁵ Our calculation is the number of cases filed against the BLM (205), divided by the estimated number of the BLM's NEPA decisions (53,600), which is based on the EPA's data on the number of Draft, Final, and Supplemental Final EISs produced by the BLM (536) and the GAO's estimate 1% of NEPA reviews governmentwide are Final EISs, as no BLM-specific estimate was available. U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

¹⁵⁶ Calculated from data provided at EPA EIS Database, *supra* note 33.

¹⁵⁷ Our calculations of the number of the NPS's NEPA decisions is based on the EPA's data on the number of Final and Supplemental Final EISs produced and the GAO's estimate 1% of NEPA reviews governmentwide are Final EISs, as no NPS-specific estimate was available. U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

¹⁵⁸ Calculated from data provided at EPA EIS Database, *supra* note 33.

¹⁵⁹ Our calculations of the number of FWS NEPA decisions is based on the EPA's data on the

the overall number of NEPA lawsuits is low for the Fish and Wildlife Service, the agency's NEPA litigation burden remained relatively low.

It is also worth noting other NEPA litigation scholarship has found that agencies in charge of a significant amount of infrastructure work faced a lower share of EIS litigation than anticipated based on the number of EISs they produced. For example, the Federal Highway Administration's share of EIS litigation was just 30% of what was anticipated based on the number of EISs it produced.¹⁶⁰ Similarly, the Army Corps' share of EIS litigation was half of that anticipated based on the number of EISs they produced.¹⁶¹

C. NEPA Litigation Outcomes

This section looks at: (1) the rate at which the federal government wins, loses, and settles NEPA litigation; (2) the success rates of different types of NEPA reviews in court rulings; (3) how litigation outcomes vary across agencies; and (4) how NEPA litigation success rates compare to outcomes in other federal environmental litigation in which the federal government is a defendant. We found that some agencies fare better than others in NEPA litigation, but overall, federal agencies prevail in NEPA litigation at rates comparable to other environmental matters in which the agencies are defendants. We also found that governmentwide, agency success rates in NEPA litigation are improving over time.

1. NEPA Litigation "Win" Rates

We examined the CEQ's published NEPA Litigation Reports¹⁶² to calculate

number of Draft, Final, and Supplemental Final EISs produced by the FWS between 2001 and 2013 (173) and the GAO's estimate 1% of NEPA reviews governmentwide are Final EISs, as no FWS-specific estimate was available. U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8. As explained in section IV.A.1., we reviewed BLM NEPA filings from 2005 through 2015 through 2018 and found that just 0.43% of the BLM's NEPA reviews involved an EIS. Extrapolating from these figures, we estimate that just 0.2% of all BLM NEPA decisions are challenged in court. We chose not to extrapolate from these figures in the body of this report because we do not know if the figures obtained from the BLM's e-planning web site are complete or indicative of averages over the entire study period. This highlights the importance of developing better mechanisms to track all NEPA decisions.

¹⁶⁰ Adelman & Glicksman, *supra* note 12, at 30, Table 1.

¹⁶¹ Adelman & Glicksman, *supra* note 12, at 30, Table 1.

¹⁶² See *supra* note 60. The CEQ's "Case Dispositions" data provides information on the type of relief granted.

governmentwide and agency-level outcomes in three categories: “win,”¹⁶³ “loss,”¹⁶⁴ and “neutral.”¹⁶⁵ Between 2001 and 2013, the federal government “won” 63.3% of final outcomes in NEPA cases, “lost” 18.6% of the time, and had neutral outcomes in 18.1% of its cases.¹⁶⁶ Over the 13 year period studied, the federal government’s win rate in NEPA litigation increased overall (with some variation), and the government prevailed at above average rates in each of the past 5 years of record. The federal government’s loss rate was below the 13-year average in each of the past 5 years of record, and the rate of neutral outcomes also declined during each of the past 5 years. See Figure 5 and Table 9.

As shown in Table 9, the CEQ’s reports also include data on the number of Temporary Restraining Orders (TRO) and Preliminary Injunctions ordered by the reviewing court.¹⁶⁷ Such temporary relief is important to note because it may delay implementation of agency actions. Between 2001 and 2013, plaintiffs in 128 NEPA lawsuits obtained temporary relief—either a TRO or a preliminary injunction. We do not, however, consider these to be “losses” for the government as they merely maintain the status quo while litigation remains pending, and temporary relief does not indicate that the plaintiffs eventually prevailed on the merits.

¹⁶³ “Wins” include rulings labelled by the CEQ as “judgment for defendant” and “dismissal without settlement.” This includes cases where the court found the agency had met its burden; cases that were decided favorably for the agency on justiciability, jurisdictional, or procedural grounds; and when the plaintiffs withdrew their claim prior to a decision on the merits or when the plaintiff agreed to a voluntary dismissal. We count as a “win” any decision that resolved the matter in a way that did not call the agency’s NEPA compliance efforts into question or require further action on the part of the lead agency even if the decision was not on the merits.

¹⁶⁴ Federal government “losses” include rulings labeled by the CEQ as “remand” and “permanent injunction.” These rulings include when the federal government lost on the merits of a NEPA claim; and when the government withdrew the project, plan, or decision prior to a judicial decision on the merits, but where no settlement was listed. We treated voluntary withdrawal of a project by an agency as a “loss” because the proposed action could not proceed without further NEPA action on the part of the lead agency. This may slightly overstate government “losses” because a project proposed by a non-federal actor could be withdrawn by that actor for reasons that have nothing to do with NEPA adequacy.

¹⁶⁵ Neutral outcomes include dismissals with settlement and outcomes labeled as “other” by the CEQ. Temporary relief was excluded from these calculations as such temporary relief does not reflect a final outcome.

¹⁶⁶ These numbers are calculated by dividing the number of winning, losing, and neutral outcomes by the total number of NEPA cases disposed of in that year.

¹⁶⁷ The CEQ’s reports do not include data on the number of motions for a TRO or Preliminary Injunction. We could not determine the rate at which preliminary relief was granted against the government without such information.

Figure 5
NEPA Litigation Outcomes 2001-2013

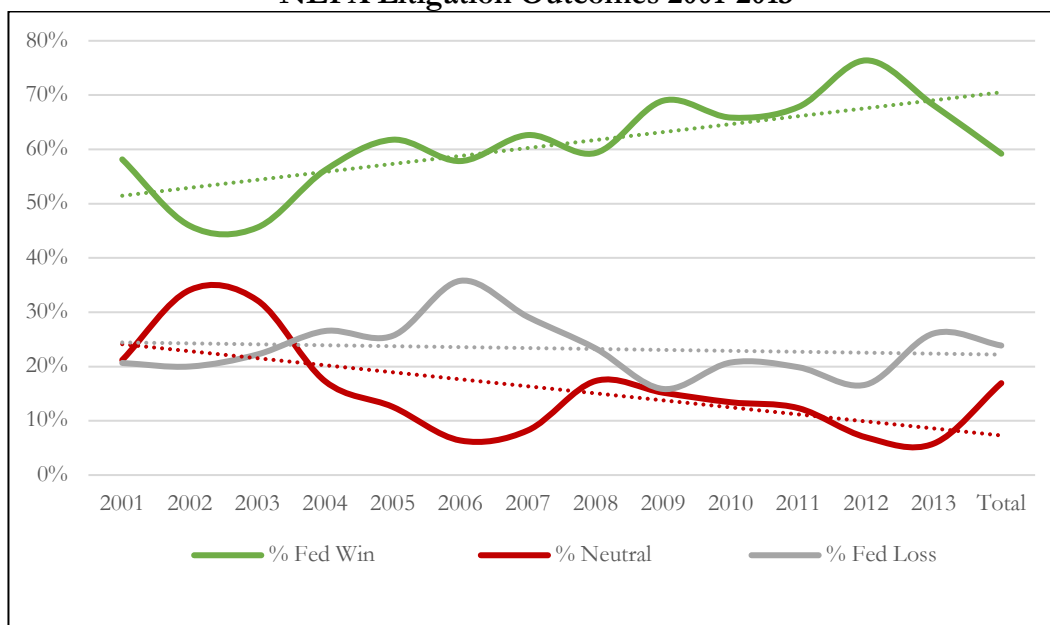


Table 9
NEPA Litigation Outcomes, 2001-2013

		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Win	Judgement for U.S.	66	49	49	50	94	84	87	77	76	46	79	46	29	832
	Dismissal w/o Settlement	41	52	29	41	24	34	27	12	24	8	20	9	18	339
Temporary	Temp. Restraining Order	5	2	4	4	1	1	2	0	0	0	0	2	2	23
	Preliminary Injunction	6	8	11	15	18	8	10	6	2	5	5	6	5	105
Loss	Permanent Injunction	9	19	7	7	7	16	18	10	15	4	3	0	3	118
	Remand	18	15	16	17	23	48	23	19	6	8	21	4	8	226
Other	Dismissal w/ Settlement	24	22	22	28	24	13	15	26	22	11	18	5	4	234
	Other	15	53	33	0										101
	Pending	135	168	205	251	24	195	168	233	271					

2. Success Rates Based on Type of NEPA Review

We used the CEQ's published data to analyze the types of NEPA documents most often at issue in judicial decisions¹⁶⁸ and the government's success rates for each type of NEPA document.¹⁶⁹ Unlike most of this paper, this section of our analysis is limited to 2005 through 2013 because earlier data does not include information on all possible litigation outcomes. As shown in Table 10, when NEPA cases were decided on ripeness, mootness, standing grounds, subject matter jurisdiction, or personal jurisdiction, the federal government won 86.1% of the time.¹⁷⁰ The federal government won 69.8% of the time when the question involved whether NEPA was required. When the adequacy of a CE was the basis for a court ruling, the federal government won 68.2% of the time.¹⁷¹ The federal government

¹⁶⁸ See *supra* Section IV.B.5. for discussion of type of NEPA documents most often at issue.

¹⁶⁹ Calculated using the "Basis for NEPA Dispositions" data provided in CEQ NEPA Litigation Reports, *supra* note 14.

¹⁷⁰ See also Adelman & Glicksman, *supra* note 12, at 35 (finding that constitutional standing was the single most frequently litigated issue, but defendants were rarely successful in bringing such a defense.)

¹⁷¹ Calculated from the "Basis for NEPA Dispositions" data provided from 2005 to 2013 at CEQ

won 62.3% of the time when EA adequacy was the basis for case disposition. When the court ruled on EIS adequacy, the federal government won 58.3% of the time.¹⁷² The federal government was the least successful when Supplemental EIS adequacy was challenged, winning those challenges 52.2% of the time.¹⁷³

Because we were working with aggregated data, we were unable to determine whether these differences were statistically significant. We note, however, that Adelman and Glicksman found an absence in statistically significant variation in success rates for different types of NEPA claims.¹⁷⁴

NEPA Litigation Reports, *supra* note 14.

¹⁷² Calculated from the “Basis for NEPA Dispositions” data provided from 2005 to 2013 at CEQ NEPA Litigation Reports, *supra* note 14. This means that 41.7% of EISs that were subject to a court ruling on the merits were held inadequate. However, as a portion of final EISs produced, only 6.9% of Final EISs were ruled inadequate. *See supra* section ____.

¹⁷³ Calculated from the “Basis for NEPA Dispositions” data provided from 2005 to 2013 at CEQ NEPA Litigation Reports, *supra* note 14. However, as a portion of Supplemental EISs produced, only 15% of SEISs were ruled inadequate. *See supra* Section ____.

¹⁷⁴ Adelman, *supra* note 17, at 34.

Table 10
NEPA Litigation Outcome Summary, 2005-2013

	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total
Jurisdictional	27	27	15	28	0	12	22	13	7	151
Agency prevailed	25	14	12	27	0	12	20	13	7	130
Plaintiff prevailed	2	13	3	1	0	0	2	0	0	21
% Agency Win	92.6%	51.9%	80.0%	96.4%		100.0%	90.9%	100.0%	100.0%	86.1%
NEPA required?	13	4	14	3	4	3	8	0	4	53
NEPA Not Required	9	4	10	3	2	1	4	0	4	37
NEPA Required	4	0	4	0	2	2	4	0	0	16
% Agency Win	69.2%	100.0%	71.4%	100.0%	50.0%	33.3%	50.0%	--	100.0%	69.8%
CE Adequacy	12	13	13	8	5	5	10	0	0	66
CE Adequate	10	9	7	5	5	4	5	0	0	45
CE Inadequate	2	4	6	3	0	1	5	0	0	21
% Agency Win	83.3%	69.2%	53.8%	62.5%	100.0%	80.0%	50.0%			68.2%
EA Adequacy	44	50	29	23	28	16	29	5	7	231
EA Adequate	24	27	14	14	23	11	24	2	5	144
EA Inadequate	20	23	15	9	5	5	5	3	2	87
% Agency Win	54.5%	54.0%	48.3%	60.9%	82.1%	68.8%	82.8%	40.0%	71.4%	62.3%
EIS Adequacy	38	55	64	36	41	22	47	0	9	312
EIS Adequate	25	29	29	21	21	17	32	0	8	182
EIS Inadequate	13	26	35	15	20	5	15	0	1	130
% Agency Win	65.8%	52.7%	45.3%	58.3%	51.2%	77.3%	68.1%	--	88.9%	58.3%
SEIS Adequacy	7	18	15	9	6	2	7	0	3	67
SEIS Adequate						1	1	0	3	5
SEIS Not Needed	3	4	6	8	3	1	5	0	0	30
SEIS Needed	4	14	9	1	3	0	1	0	0	32
% Agency Win	42.9%	22.2%	40.0%	88.9%	50.0%	100.0%	85.7%	--	100.0%	52.2%
Total	141	167	150	107	84	60	123	18	30	880
Total Agency Wins	96	87	78	78	54	47	91	15	27	573
Total % Agency Wins	68.1%	52.1%	52.0%	72.9%	64.3%	78.3%	74.0%	83.3%	90.0%	65.1%

3. NEPA Outcomes by Lead Agency

In addition to calculating NEPA litigation outcomes on a governmentwide basis, we also examined the success rates of the eight agencies who are sued the most over NEPA decisions. This information is displayed in Table 11. Because the CEQ's published summary reports on NEPA litigation lacked agency-level win-loss-settle data, we obtained raw data from the CEQ to make these calculations,¹⁷⁵ relying

¹⁷⁵ For this agency-level breakdown, we omitted 2004 and 2005 data from our analysis because the CEQ's raw data did not distinguish between sub-agencies within large departments (*e.g.* Department of Interior litigation did not distinguish between cases involving the BLM, the FWS, or the NPS). We chose not to make our own determinations of the lead agency by reexamining each case in court

wherever possible on the CEQ's labels of the type of relief granted and the basis for disposition (e.g. justiciability, adequacy of the NEPA decision, or other).¹⁷⁶

Overall, the eight most-sued agencies won slightly less often and had fewer neutral outcomes compared to the governmentwide averages. The most-sued agencies won 60.2% of NEPA litigation, lost 23.6% of NEPA litigation, and had neutral outcomes 10.3% of NEPA litigation. In comparison, the federal government overall won 63.3% of their cases, lost 18.6% of their cases, and had neutral outcomes 18.1% of the time.¹⁷⁷

Table 11
NEPA Outcomes by Lead Agency

Agency	Final Rulings	% Lost	% Neutral	% Win
Army Corps of Engineers	131	24.4%	9.2%	65.6%
NOAA & National Marine Fisheries Service	114	20.2%	7.9%	64.0%
The BLM	175	27.4%	11.4%	56.0%
Fish & Wildlife	80	16.3%	10.0%	71.3%
National Park Service	41	31.7%	14.6%	51.2%
Fed. Aviation Admin.	57	10.5%	10.5%	73.7%
Fed. Highway Admin.	104	15.4%	8.7%	70.2%
Forest Service	520	26.3%	10.8%	55.0%
Total for Eight Most-Sued Agencies	1,222	23.6%	10.3%	60.2%
All Federal Agencies	1,850	18.6%	18.1%	63.3%

docket databases because cases often involved multiple defendant agencies and we could not ensure our labelling methods would be consistent with those used by the CEQ for the other nine years of data.

¹⁷⁶ Although we relied on the CEQ's labelling to the maximum extent possible, some of the CEQ's agency-level raw data labels were unclear, forcing us to make occasional judgement calls. For example, the CEQ's raw data occasionally labeled outcomes as "mixed rulings," rather than as one of the outcome categories that would allow us to clearly find a win, loss, or neutral. In these situations, we did not code a win/loss/neutral label, but instead counted those cases as unlabeled "others" in the total number of rulings for that year. On average, 5.4% of rulings were "other," while the annual average ranges from 0.8% to 7.9% of rulings. Due to the inclusion of these unlabeled other outcomes, some win/loss/neutral percentages for individual agencies total to less than 100 percent.

It was also occasionally unclear from the CEQ's labelling whether remands at the appellate level were favorable or unfavorable for the government. In such instances, we found the court opinions, identified the district court ruling, and determined whether the appellate outcome for the NEPA claim was favorable or unfavorable to the government.

¹⁷⁷ The total number of dispositions shown in Table 11 is greater than the total number of dispositions in Table 8 (1,499) because multiple rulings may have occurred in the same case. The government, for example, may have lost a motion to dismiss on jurisdictional grounds only to later prevail on NEPA adequacy.

Of the most-sued agencies, the Federal Aviation Administration was the agency most likely to prevail in litigation, with 73.7% of its NEPA litigation resulting in a win, 10.5% in a loss, and 10.5% in a neutral outcome. The Fish and Wildlife Service also fared well, with 71.3% of its NEPA litigation resulting in a win, 16.3% in a loss, and 10% in a neutral outcome. The Federal Highway Administration was close behind, winning 70.2% of its NEPA litigation, losing 15.4%, and having a neutral outcome in 8.7% of cases.

The Army Corps and NOAA/National Marine Fisheries Service won 65.6% and 64% of NEPA litigation, respectively. The BLM and the Forest Service won their NEPA litigation 56% and 55% of the time, respectively, and lost 27.4% and 26.3% of the time, respectively.¹⁷⁸ The Park Service was the least successful agency—winning the least, losing the most, and having more neutral outcomes than any of the top eight most-sued agencies. The Park Service won its NEPA litigation just 51.2% of cases, lost 31.7%, and had neutral outcomes 14.6% of the time.

Our agency-level success findings based on the CEQ's reporting differs from that of other recent NEPA litigation scholarship, which found that the rate at which plaintiffs prevailed was largely uniform across agencies and types of claims raised, and any variation observed was more generally correlated with the presidential administration in charge and the political affiliation of the president who appointed the judges making the decisions.¹⁷⁹

4. NEPA Litigation Outcomes Compared to Other Federal Cases

To put NEPA litigation into context, we examined data published by the

¹⁷⁸ For comparison to the CEQ's data, an article examining Forest Service NEPA litigation with published opinions issued between 1970 and 2001 found that the "Forest Service won 60%, lost 20%, and had other judgements in 20%" of NEPA cases brought against them. Shorna R. Broussard and Biana D. Whitaker, *The Magna Charta of Environmental Legislation: A historical look at 30 years of NEPA-Forest Service Litigation*, 11 FOREST POLICY AND ECONOMICS 134, 137 (2009). That article also examined the type of NEPA document at issue in Forest Service NEPA litigation and found that, at the District Court level, 55% of decisions involved cases where plaintiffs argued that an EA or EIS should have been prepared, and 36% of cases involved an inadequate EA or EIS. *Id.* at 138. *See also* Amanda M.A. Miner, et al. *Twenty Years of Forest Service National Environmental Policy Act Litigation*, 12 ENVIRONMENTAL PRACTICE 116, 116, 122 (June 2010) (finding that Forest Service won 51.5% of land management litigation between 1989 and 2008, and won NEPA claims 69.3% of the time).

¹⁷⁹ Adelman & Glicksman, *supra* note 12, at 25.

Office of the United States Attorneys.¹⁸⁰ We analyzed the outcomes of all civil litigation in which the federal government was a party, as well as civil litigation over environmental or lands issues where the federal government was a defendant.¹⁸¹ Unfortunately, coding differences between the CEQ's NEPA litigation reporting and the Office of U.S. Attorneys' general civil litigation reporting preclude a direct comparison between the two data sets.

As displayed in Table 12, data from the Office of U.S. Attorneys labels 30.7% of civil litigation cases handled by the U.S. Attorney between 2001 and 2013 as an "other" outcome—i.e. neither a win, loss, settlement, or dismissal. This results in a paradoxical outcome wherein the federal government wins less *and* loses less in civil litigation over all matters than it does in NEPA litigation, while settlement rates are largely equal to neutral outcomes in NEPA litigation. Including dismissals, the federal government won¹⁸² just 41.4% of all civil litigation between 2001 and 2013¹⁸³ (whereas the government won 63.3% of NEPA litigation¹⁸⁴). However, the federal government also only lost 10.8% of civil cases (whereas it lost 18.6% of NEPA cases). The federal government settled 17.2% of its civil cases during that same time period (while it had neutral outcomes in 18.1% of NEPA cases).

Table 12
Civil Litigation Outcomes, U.S. as a Defendant, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Avg.
For U.S.	29.6%	30.7%	31.7%	30.2%	33.6%	33.4%	30.8%	29.4%	30.6%	27.6%	25.3%	28.5%	26.3%	29.7%
Settled	23.1%	21.6%	22.8%	21.2%	19.6%	19.9%	16.2%	14.5%	14.4%	14.7%	13.9%	13.2%	10.3%	17.2%
Against U.S.	9.9%	9.4%	9.2%	10.2%	11.0%	10.3%	10.3%	16.1%	12.2%	9.3%	9.3%	12.8%	9.0%	10.8%
Dismiss	8.2%	8.3%	9.3%	9.6%	11.5%	11.0%	14.0%	12.1%	13.4%	13.5%	14.1%	14.3%	12.0%	11.6%
Other	29.1%	29.9%	27.1%	28.9%	24.2%	25.4%	28.7%	27.9%	29.4%	34.9%	37.3%	31.3%	42.4%	30.7%
Total	74,558	77,141	75,434	76,949	78,154	68,858	67,047	87,481	80,261	77,934	81,245	78,229	89,120	

In order to address the unknown nature of the "other" categorization, we also calculated outcomes without that category. When we excluded "other"

¹⁸⁰ United States Attorneys, Annual Statistical Reports, *supra* note 70.

¹⁸¹ We limited our analysis to cases where the federal government was a defendant because NEPA litigation is unlikely to be initiated by a federal agency. Focusing on other cases where federal agencies are a defendant therefore ensures that we are comparing like cases.

¹⁸² Wins include judgements for the government and dismissals.

¹⁸³ U.S. Attorney's Annual Statistics Reports, *supra* note 70.

¹⁸⁴ See *supra* Section IV.C.3.

outcomes from the analysis, we find that the federal government prevails in civil cases handled by the U.S. Attorney's Office 59.7% of the time, settles 24.8% of these cases, and loses 15.5% of the cases. By comparison, the federal government won 63.3% of its NEPA cases from 2001 through 2013, had neutral outcomes in 18.1% of these cases, and lost 18.6% of its NEPA cases.

Even when focusing on general environmental and land use litigation in which it is a defendant, the federal government also wins less *and* loses less *and* settles less than it does in NEPA-specific litigation. The federal government won just 41.6% of all environmental and lands litigation in which it was involved between 2001 and 2013.¹⁸⁵ However, it also only lost 6.4% of such cases.¹⁸⁶ The federal government settled 11.2% of its environmental and lands cases during that same time period, leaving a significant portion of such cases (40.8%) with an unknown "other" class of outcome, as shown in Table 13.

When we exclude "other" outcomes we find that the federal government prevails in 70.3% of environmental and lands cases in which it is a defendant, settles 18.9% of those cases, and loses 10.8% of the time. As noted above, the federal government won 63.3% of its NEPA cases from 2001 through 2013, had neutral outcomes in 18.1% of these cases, and lost 18.6% of its NEPA cases.

Table 13
Civil Litigation Outcomes, Environmental/Lands Matters,
U.S. as a Defendant, 2001-2013

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	Avg.
For U.S.	22.4%	21.5%	30.0%	34.9%	31.3%	31.3%	29.4%	28.7%	24.4%	22.2%	25.4%	25.2%	25.3%	27.0%
Settled	13.3%	10.5%	10.0%	12.2%	12.2%	10.7%	9.5%	12.6%	11.8%	15.3%	9.5%	8.0%	7.8%	11.2%
Against U.S.	7.0%	5.3%	7.9%	5.9%	8.2%	7.7%	7.0%	5.4%	3.9%	5.8%	5.2%	5.4%	8.0%	6.4%
Dismiss	17.0%	15.6%	16.1%	14.6%	12.0%	10.0%	17.4%	13.0%	17.2%	13.8%	13.2%	13.1%	14.5%	14.6%
Other	40.3%	47.1%	36.1%	32.5%	36.3%	40.4%	36.7%	40.4%	42.7%	42.9%	46.6%	48.3%	44.4%	40.8%
Total	670	646	621	542	534	431	472	485	459	464	401	389	387	

Regardless of whether we include the "other" category in calculating the federal government's overall win rates in civil litigation and environmental-specific litigation, it's clear that these rates differ from NEPA-specific litigation outcomes using the CEQ's data. However, a different conclusion was reached by a recent study

¹⁸⁵ U.S. Attorney's Annual Statistics Reports, *supra* note 70.

¹⁸⁶ U.S. Attorney's Annual Statistics Reports, *supra* note 70.

from Professors Adelman and Glicksman examining NEPA litigation using a database created specifically for that project. That study observed that plaintiffs prevail in NEPA litigation at rates similar to those in other challenges to federal agency actions.¹⁸⁷ That study also noted that the federal government wins around 70% in challenges to agency actions.¹⁸⁸

Adelman and Glicksman's study observed that environmental plaintiffs won substantially more often than other plaintiffs in NEPA litigation at both the district court and on appeal.¹⁸⁹ This appears to indicate that environmental plaintiffs are more selective than their peers in deciding whether to engage in NEPA litigation. If this is the case, it contradicts arguments that environmental plaintiffs are making frivolous claims in order to unnecessarily delay federal projects.

V. CONCLUSION AND RECOMMENDATIONS

The vast majority of federal actions that are subject to NEPA review are evaluated through an expedited analysis contained in either a CE (95%) or an EA (5%). Less than 1% of federal actions require an EIS. Overall, just 0.22% of NEPA actions—or 1 in 450—result in litigation, and NEPA litigation represents just 0.043% of all civil environmental litigation in which the federal government is a defendant. The volume of NEPA litigation simply does not appear unduly burdensome, especially given the important dual goals of reducing environmental impacts and fostering public involvement in federal decisions impacting the environment.

While EISs are more likely to result in litigation than either EAs or CEs, this should not come as a surprise because EISs are reserved for the most complex,

¹⁸⁷ Adelman & Glicksman, *supra* note 12, at 27-28.

¹⁸⁸ Adelman & Glicksman, *supra* note 12, at 27-28, note 111 (citing Thomas J. Miles & Cass R. Sunstein, *The Real World of Arbitrariness Review*, 75 U. CHI. L. REV. 761, 767-68 (2008) ("reporting data on administrative review cases involving EPA indicating that agencies prevailed on average 72% of administrative challenges on appeal"); Richard J. Pierce & Joshua Weiss, *An Empirical Study of Judicial Review of Agency Interpretations of Agency Rules*, 63 ADMIN. L. REV. 515, 515 (2011) ("observing that '[c]ourts at all levels of the federal judiciary uphold agency actions in about 70% of cases' irrespective of the standard of review that they apply"); Richard J. Pierce, *What Do the Studies of Judicial Review of Agency Actions Mean?*, 63 ADMIN. L. REV. 77, 84-85 (2011) ("synthesizing the results of numerous empirical studies of judicial review and finding that agencies prevail in 64% to 81% of the cases at the circuit level").

¹⁸⁹ Adelman & Glicksman, *supra* note 12, at 27 (noting that environmental plaintiffs win 35% of NEPA cases at the district court and 27% on appeal, while other plaintiffs win just 16% of NEPA cases at the district court and only 14% on appeal).

contentious, and impactful 1% of federal projects. Even so, both the number of EISs completed annually and the volume of NEPA litigation are declining while federal agencies are prevailing in litigation at an increasing rate. Environmental plaintiffs appear to be quite selective in the cases that they bring, given both the small number of suits brought annually and their record of prevailing at a higher rate than non-environmental plaintiffs. Agencies that rush their NEPA analysis also appear to be more likely to be challenged in court over those NEPA documents.

NEPA litigation, in short, does not appear unduly burdensome. This is not to say that there is no room for NEPA reform, but rather, that efforts to reduce litigation or expedite production of NEPA documents are likely to have limited benefit while potentially undermining important national goals. Streamlining NEPA also runs a risk of actually delaying project implementation if, as our analysis suggests, the rate of challenge is inversely related to the time spent on the NEPA analysis. We therefore encourage Congress, the CEQ, and other agencies that are contemplating revisions to NEPA's implementing regulations to look beyond impassioned rhetoric and ensure that any reform efforts are based on sound data.

Having taken a hard look at NEPA litigation, our conclusions and recommendations are twofold: First, our analysis of the CEQ's NEPA completion time data, NEPA litigation data, and ASUSA data on all federal civil litigation demonstrates that the attacks against NEPA and NEPA litigation are—like the boy who cried wolf—generally identifying a nonexistent problem. Second, we nonetheless recognize that there is still room for improvement, and suggest that any improvements made should be based on hard data, not anecdotes. In order to make better data-driven decisions, agencies need complete and accurate data. As previously noted, the EPA provides a complete record of published EISs, but there is not a similar repository of statistics on other types of NEPA documents (EAs and CEAs), and “data collection efforts vary by agency.”¹⁹⁰ The inconsistency in record-keeping among agencies, and the lack of a centralized repository of NEPA documents, or even a record of the number of NEPA actions by agency, is problematic because an estimated 99% of all NEPA reviews occur via CEAs and EAs.¹⁹¹ Therefore, any NEPA reform should begin with an effort to increase and standardize NEPA document data collection and publication across all agencies. We found the BLM's ePlanning web portal to be easy to use and believe that it could provide a model for other agencies. In addition, we recommend that the CEQ re-initiate its lapsed data collecting efforts on NEPA litigation and designate a staff person to maintain these

¹⁹⁰ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 7.

¹⁹¹ U.S. GOV'T ACCOUNTABILITY OFF., *supra* note 9, at 8.

records and standardize the labelling of litigation outcomes, document types, and agencies.

We also recommend amending agency guidelines and rules that impose strict deadlines and page limits on EISs, as early data indicates some correlation between rushed EISs and the rate of challenges to NEPA actions.